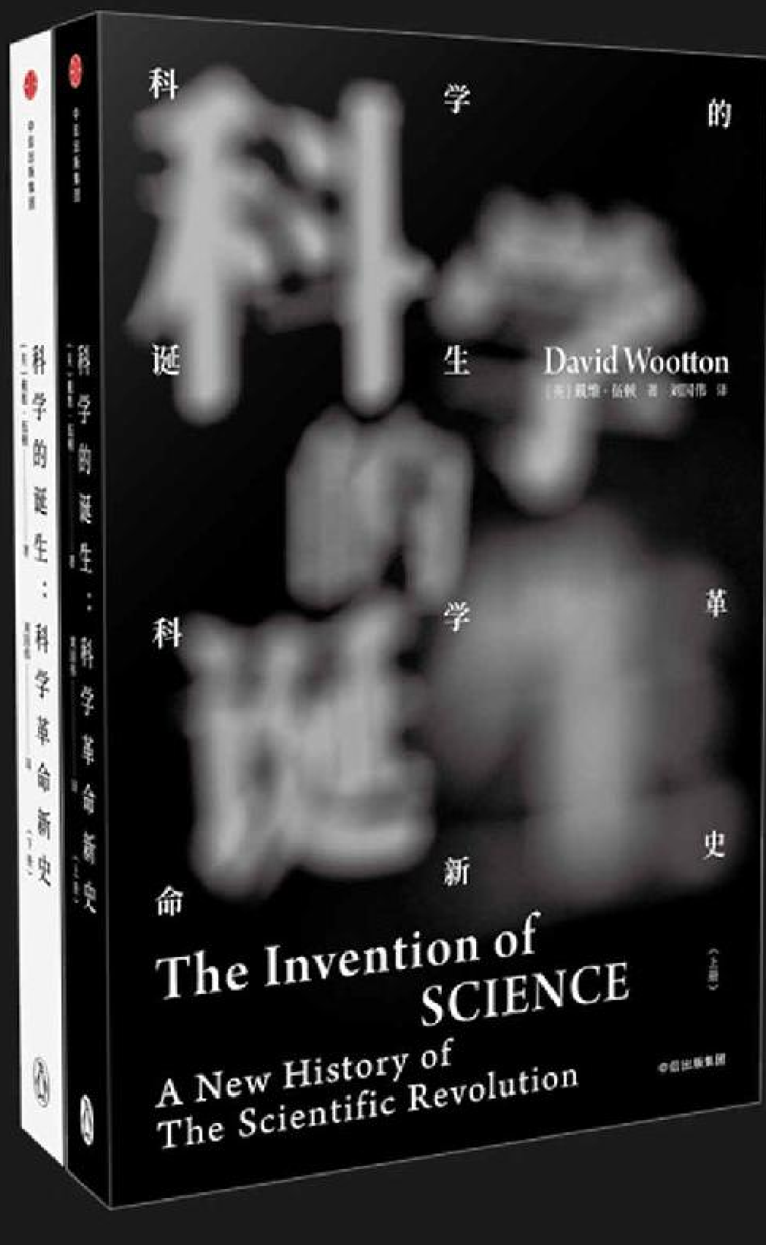
科学的诞生

（全两册）



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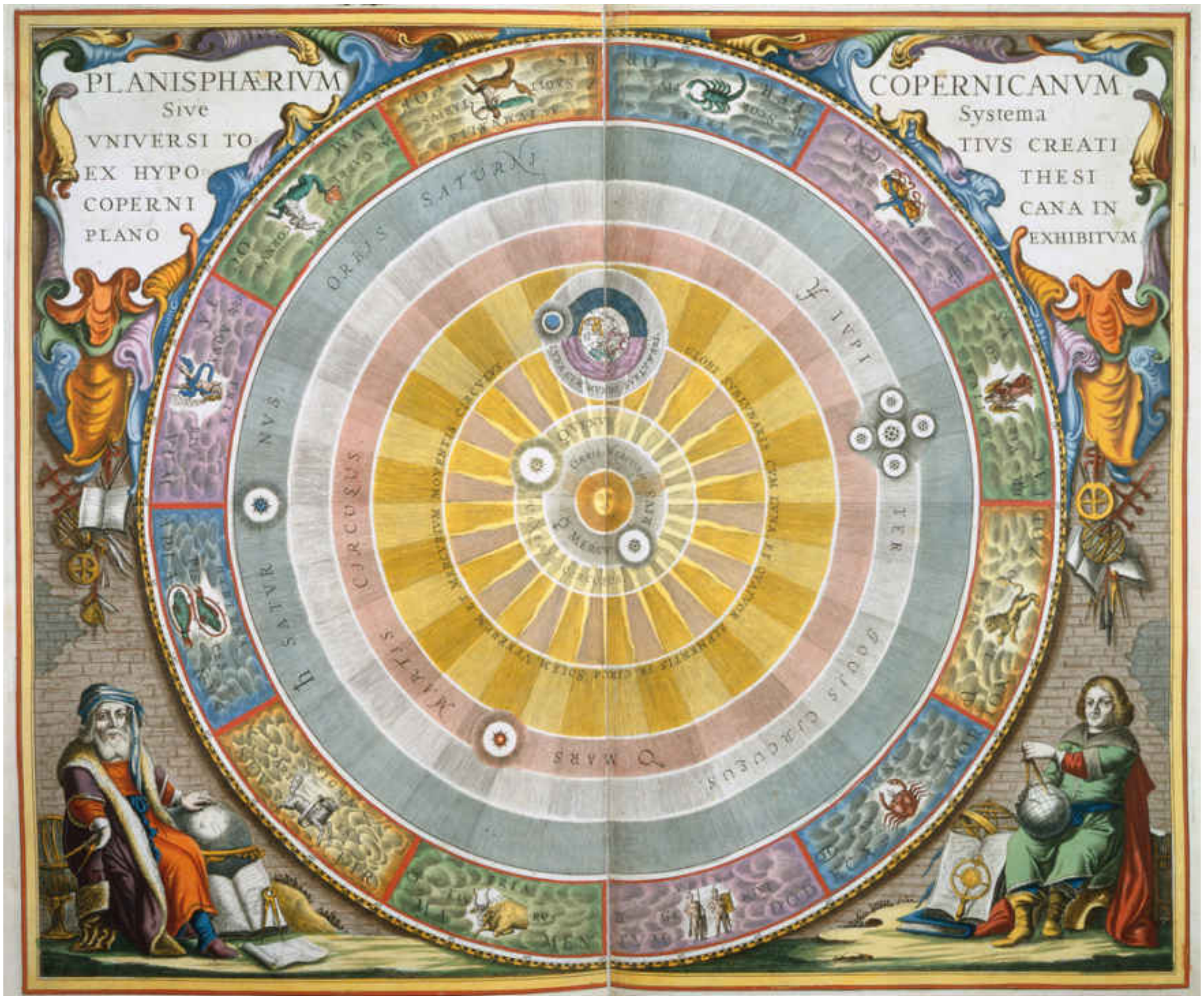

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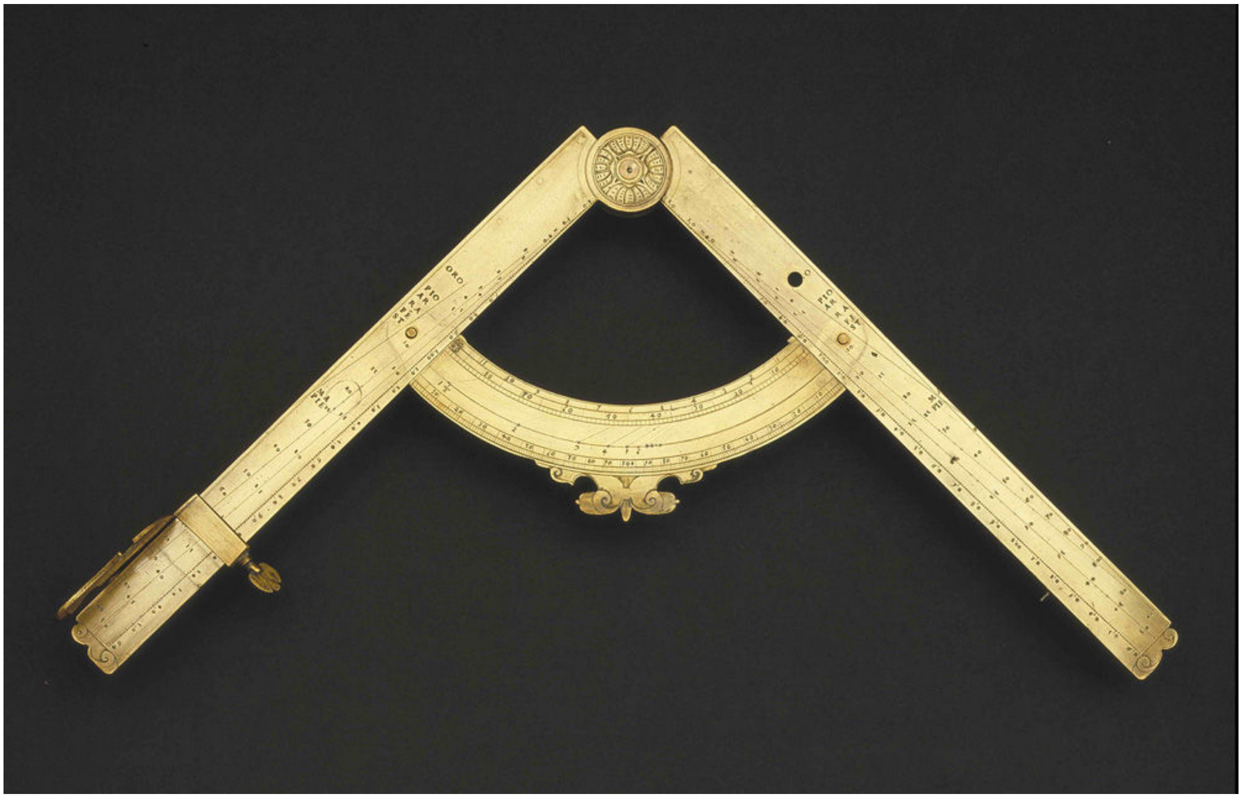


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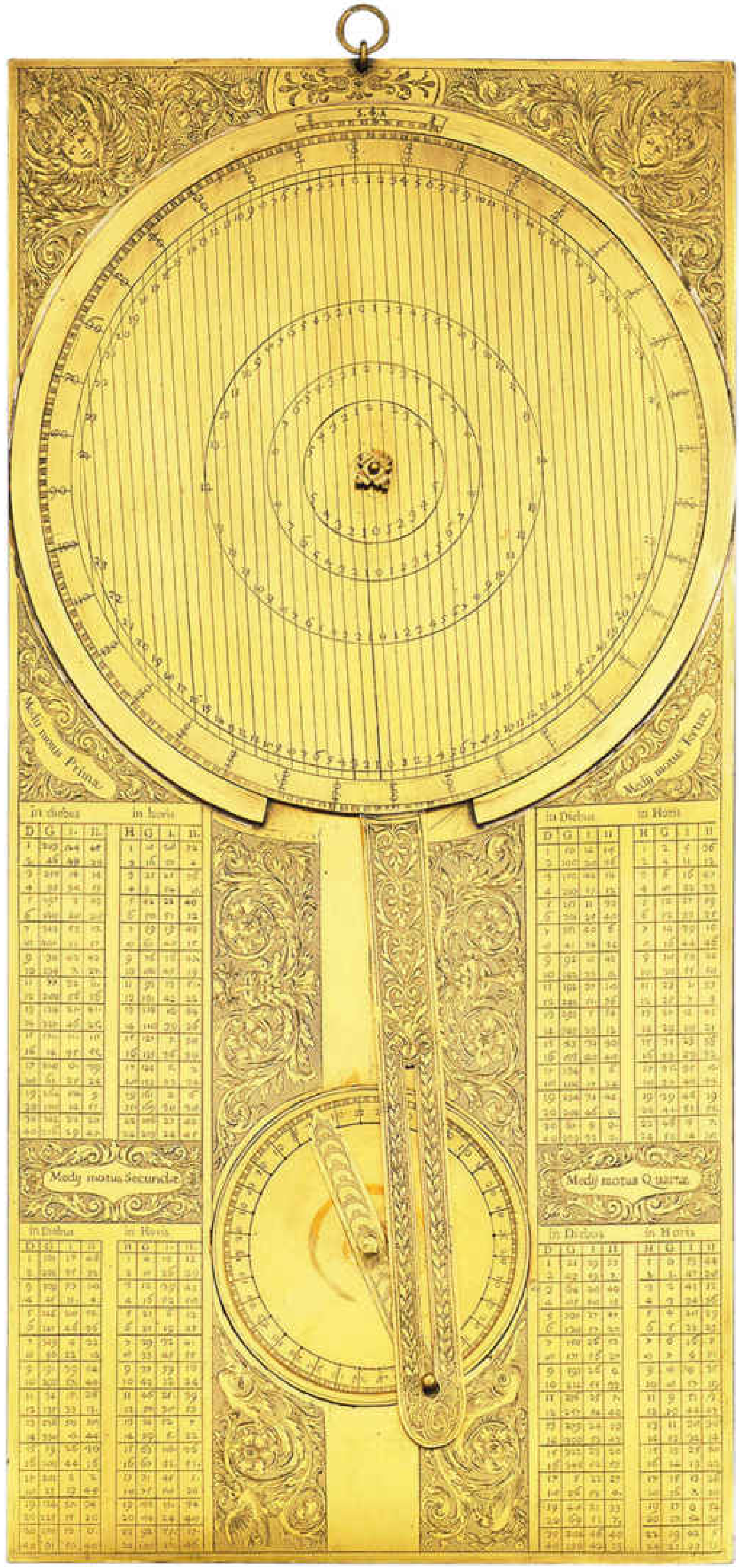

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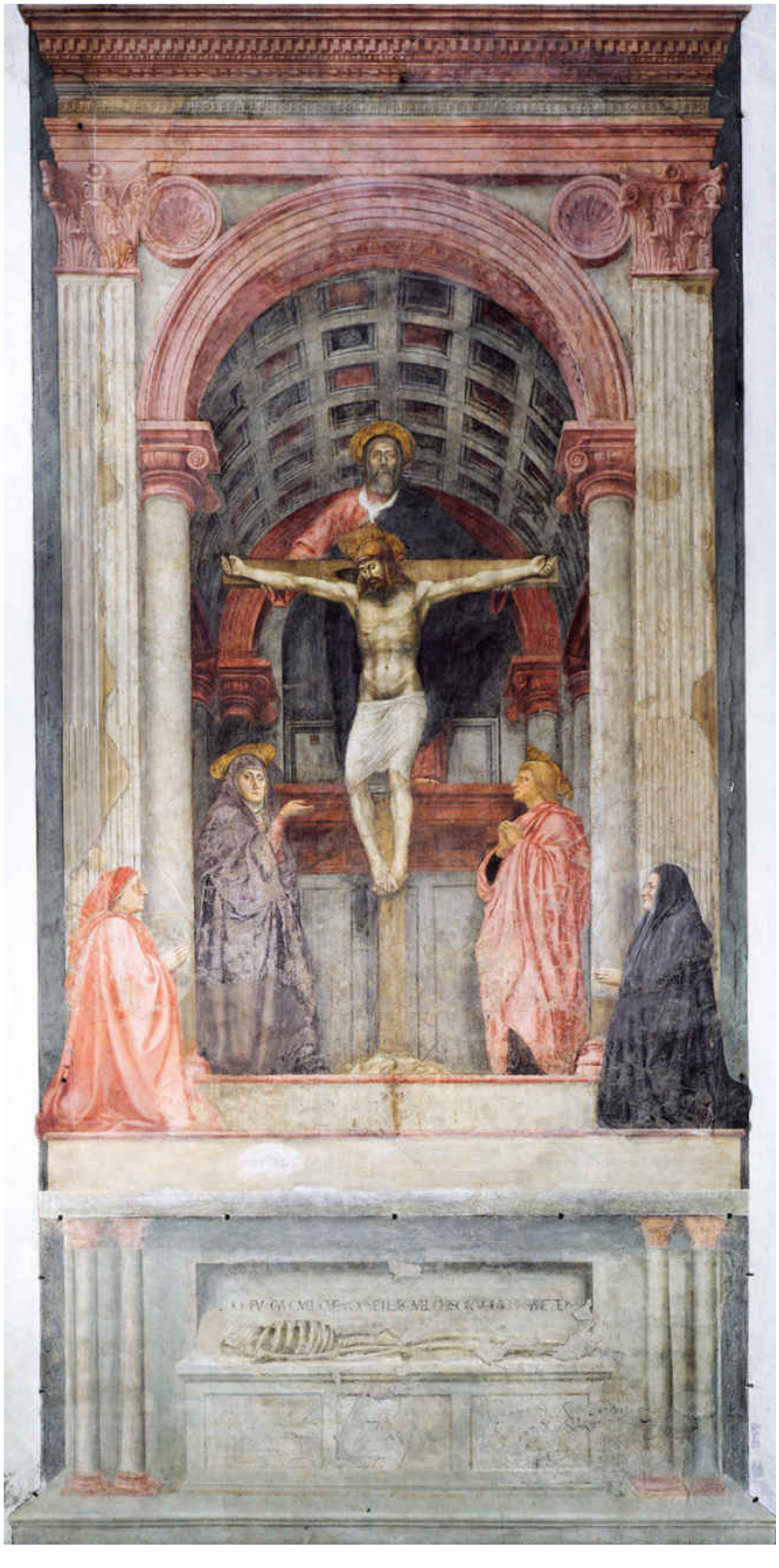
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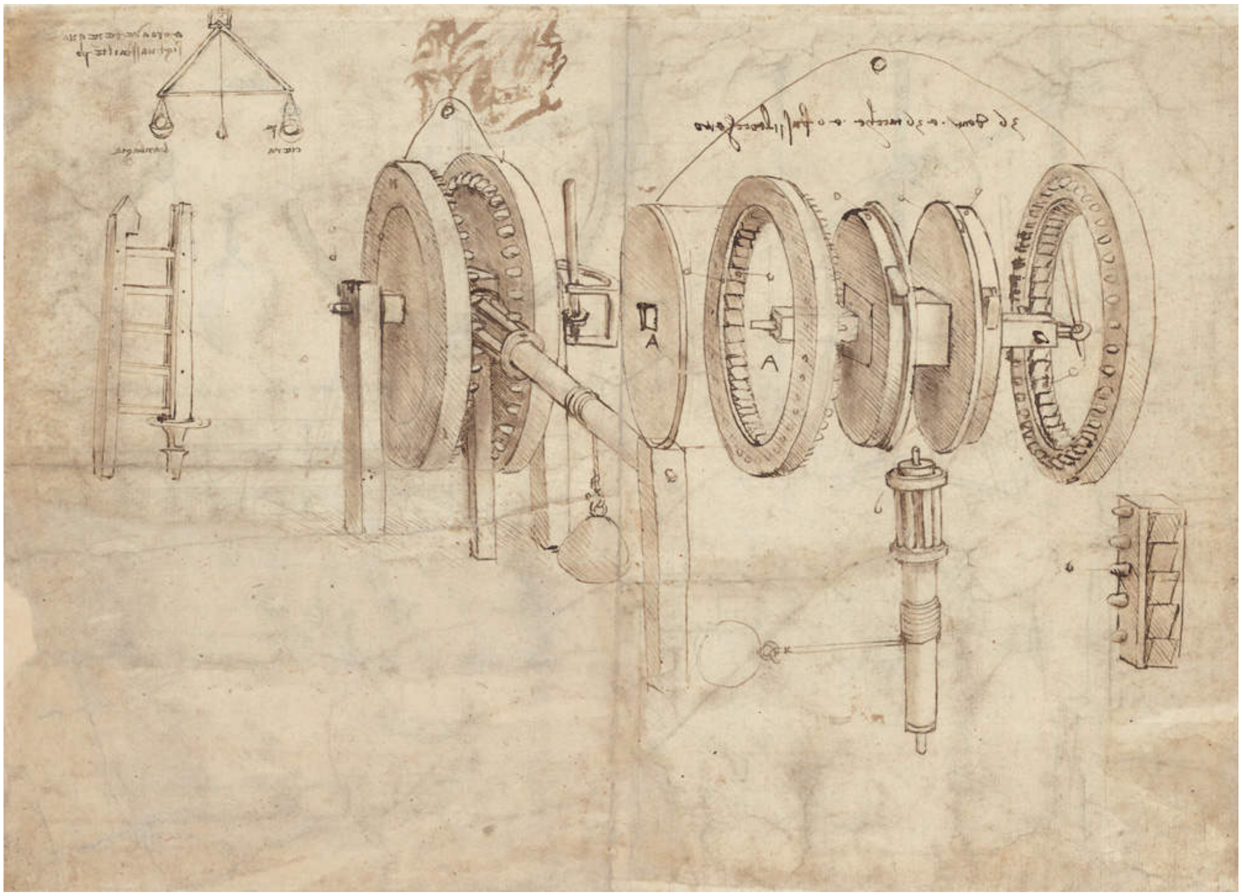
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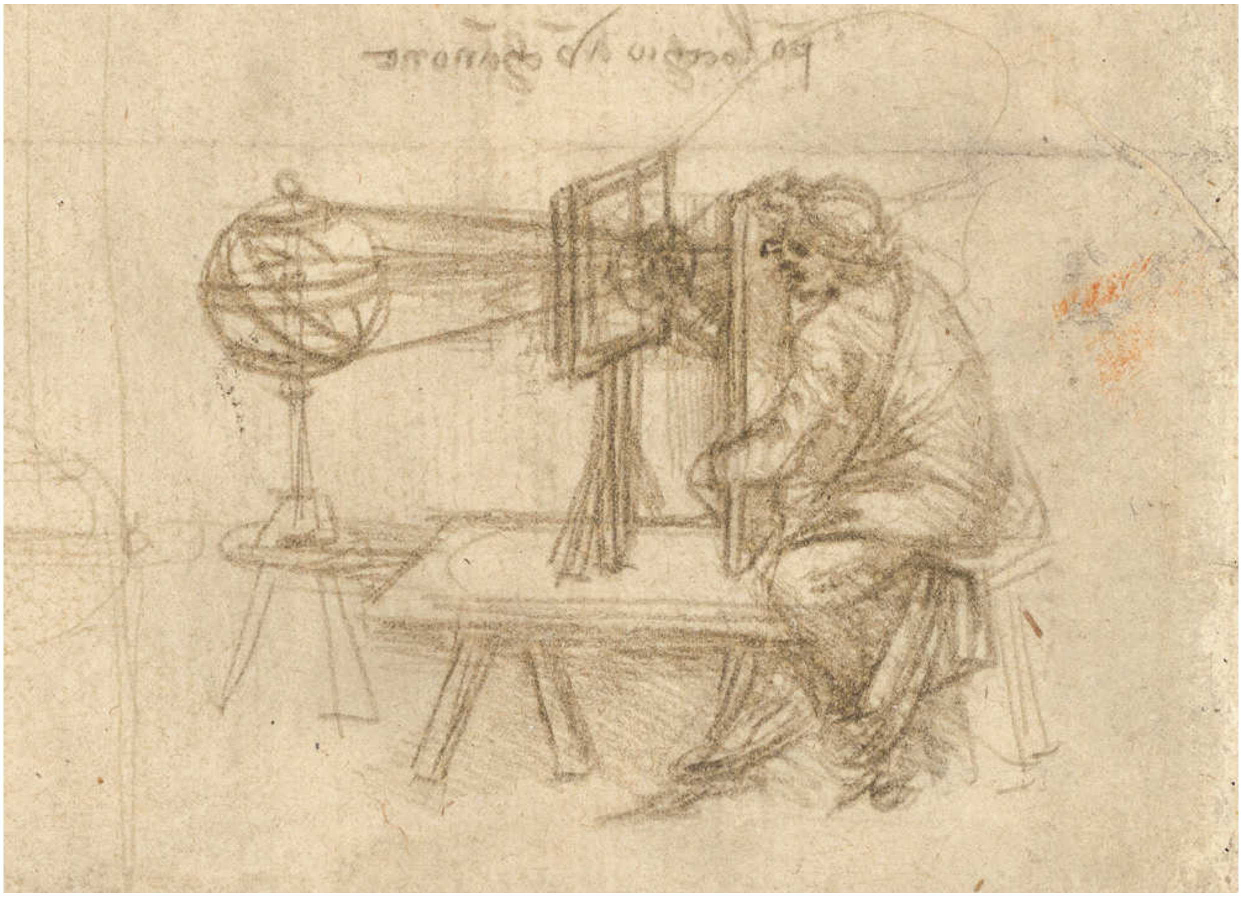
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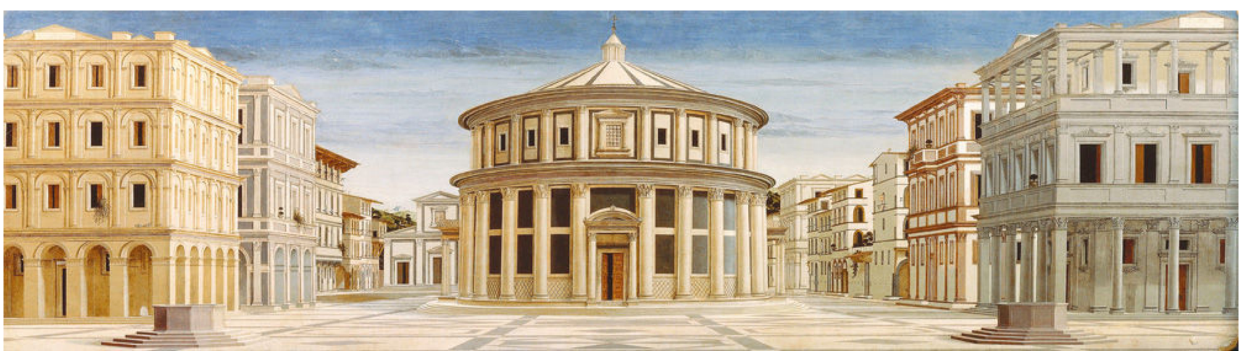
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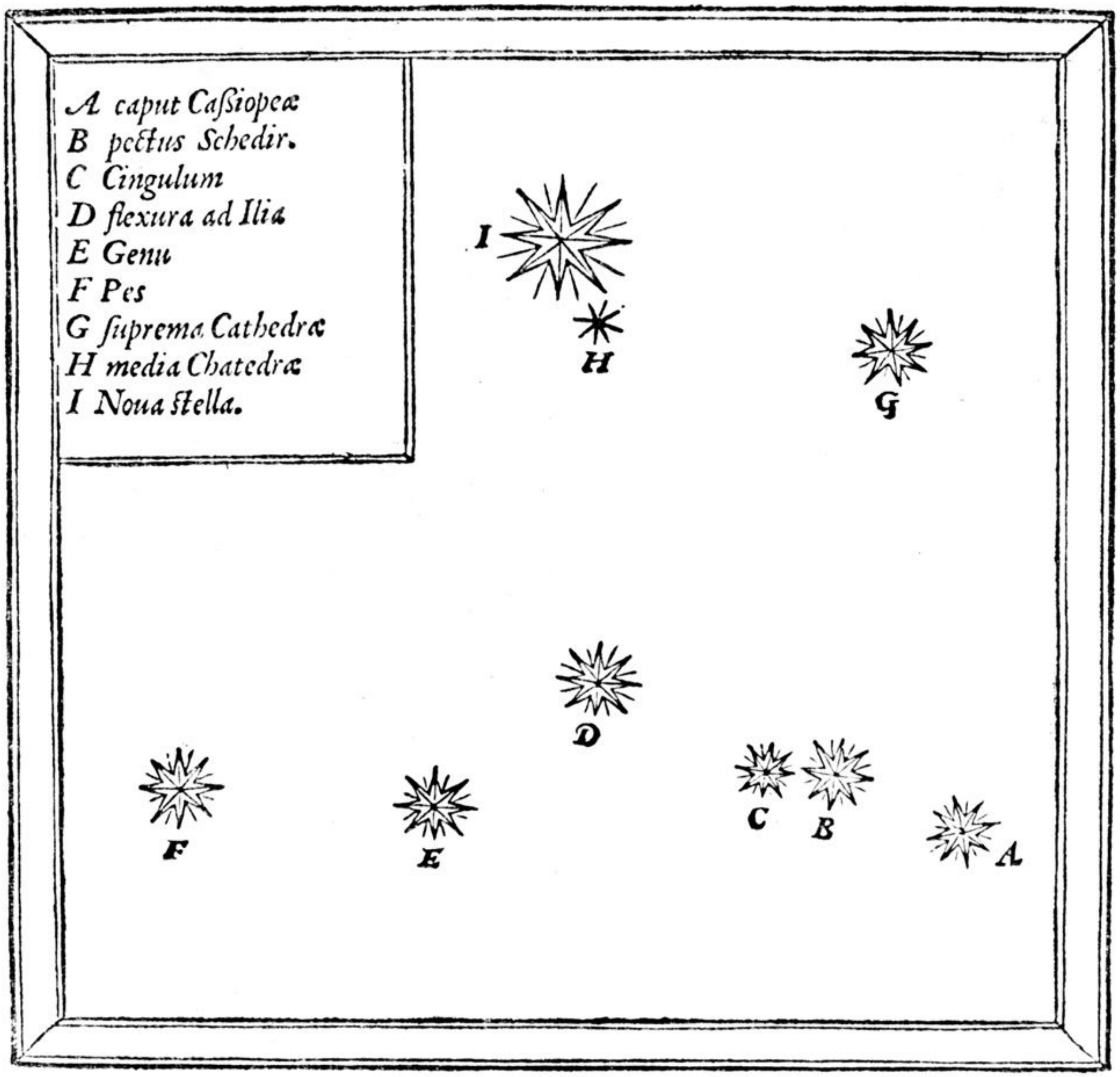
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□Vasari□*The Lives of the Artists*□1550□1560□·□Francesco Barozzi□Proclus□Euclid□[40]□“□”□*New Theories of the Planets*□Peuerbach□1454□1472□*The New Science*□1537□*The New Philosophy*□1603□*Of Our*

Sublunar World[illegible]*The New Astronomy*[illegible]1609[illegible]*Two New Sciences*[illegible]1638[illegible]*New Experiments Touching the Void*[illegible]1647[illegible]*New Anatomical Experiments*[illegible]1651[illegible]—[illegible]*New Experiments Physico-mechanical*[illegible]1660[illegible]*The New Organon*[illegible]*The New Atlantis*[illegible]*The Wisdom of the Ancients*[illegible]1609[illegible]

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Philosophy[illegible]“[illegible]”[illegible]“[illegible]”[illegible]“[illegible]”[illegible]“[illegible]”[illegible]·[illegible]Joseph Glanvill[illegible]*Plus ultra:or the Progress and Advancement of Knowledge since the Days of Aristotle*[illegible]·[illegible]Daniel Le Clerc[illegible]*The History of Physick,or,An Account of the Rise and Progress of the Art,and the Several Discoveries Therein from Age to Age*[illegible]1699[illegible]“[illegible]”[illegible]·[illegible]“[illegible]”[illegible]“[illegible]”[illegible]

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[illegible]·[illegible]Ludwig Wittgenstein[illegible]1889—1951[illegible][43][illegible]1929—1947[illegible]20[illegible]50[illegible]*Philosophical Investigations*[illegible]1953[illegible]·[illegible]

[illegible]J.L.[illegible]J.L.Austin[illegible]·[illegible]Michel Foucault[illegible]·[illegible]Jacques Derrida[illegible]·[illegible]Richard Rorty[illegible]“[illegible]”[illegible]“[illegible]”[illegible][44][illegible]

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[illegible]“*nullius in verba*”[illegible]“[illegible]”[illegible]“[illegible]”[illegible]“[illegible]”[illegible]*Totius in verba:*Rhetoric and Authority in the Early Royal Society[illegible]“*nullius in verba*”[illegible]

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[3]Koyré[illegible]Études Galiléennes[illegible]1966[illegible]12 [illegible]“[illegible]”[illegible]·[illegible]“[illegible]”[illegible]Über quantentheoretische Umdeutung kinematischer

und mechanischer Beziehungen [illegible]1925[illegible]

[illegible]Schrödinger[illegible]1926[illegible]1[illegible]

[illegible]1927[illegible]1939[illegible]

[illegible]1940[illegible]4[illegible]Costabel[illegible]"Sur l'origine de la science classique"[illegible]

1947[illegible]208[illegible]1940[illegible]"[illegible]"[illegible]1939

[illegible]1935[illegible]Murdoch[illegible]"Pierre Duhem and the History of Late-Medieval Science"[illegible]1991[illegible]274[illegible]"[illegible]10[illegible]"[illegible]1925[illegible]10[illegible]

[4][illegible]:"[illegible]18[illegible]17[illegible]"Dewey[illegible]German Philosophy and Politics[illegible]1915[illegible]6[illegible]

[5][illegible]Butterfield[illegible]The Origins of Modern Science[illegible]1950[illegible]197—198[illegible]"[illegible]……"

[6][illegible]"[illegible]'[illegible]'[illegible]'[illegible]'[illegible]"[illegible]631[illegible]

[7][illegible]Tocqueville[illegible]The Old Regime and the Revolution [illegible]1856[illegible]

[8][illegible]

[9][illegible]"[illegible]'[illegible]'[illegible]""[illegible]"Butterfield[illegible]The Whig Interpretation of History[illegible]1931[illegible]42—43[illegible]47[illegible]Sewell[illegible]" The'Herbert Butterfield Problem'and Its Resolution" [illegible]2003[illegible]

[10][illegible]"[illegible]'[illegible]'[illegible]'[illegible]'[illegible]"[illegible]170[illegible]

[11]Wilson & Ashplant[illegible] "Whig History" [illegible]1988[illegible]Skinner[illegible]"Meaning and Understanding in the History of Ideas"[illegible]1969[illegible]2002[illegible]Wootton[illegible]"The Hard Look Back"[illegible]2003[illegible]Shapin & Schaffer[illegible]Leviathan and the Air-pump [illegible]1985[illegible]Cunningham[illegible]"Getting the Game Right" [illegible]1988[illegible]

[12][illegible]2014[illegible]3[illegible]"scientific"[illegible]1675[illegible]"[illegible]……[illegible]"[illegible]1757[illegible]"science"[illegible]"[illegible]"[illegible]1779[illegible]"scientific"[illegible]"science"[illegible]

[13][illegible]“[illegible]”[illegible]Shapin[illegible]A Social History of Truth[illegible]1994[illegible]4[illegible]“[illegible]”[illegible]1[illegible]580—581[illegible]

[14][illegible]

[15][illegible]Temple[illegible]Miscellanea: The Third Part[illegible]1701[illegible]261[illegible]

[16][illegible]·[illegible]Gioseffo Zarlino[illegible]“[illegible]”[illegible]sottoposto[illegible]Zarlino[illegible]Dimostrationi harmoniche[illegible]1571[illegible]9[illegible]1611[illegible]“[illegible]”[illegible]Lattis[illegible]Between Copernicus and Galileo[illegible]1994[illegible]193[illegible]

[17][illegible]New Astronomy, Based upon Causes, or Celestial Physics[illegible]1609[illegible]

[18][illegible]Treatise on Painting[illegible]1651[illegible]1540[illegible]·[illegible]·[illegible]Francesco Melzi[illegible]

[19][illegible]“Leonardo Vinci disscepolo della sperientia”[illegible]Nicholl[illegible]Leonardo da Vinci[illegible]2004[illegible]7[illegible]

[20][illegible]“[illegible]”[illegible]·[illegible]Francesco Patrizi[illegible]1591[illegible]Nova de universis philosophia[illegible] A New Universal Philosophy[illegible]

[21]“philosophia”[illegible]“philosophus”[illegible]

[22]“Filosofo e matematico primario del sermo Gran Duca di Toscana”[illegible]

[23][illegible]EEBO[illegible]245[illegible]29[illegible]“sciences natural”[illegible]8[illegible]“science of nature”[illegible]“[illegible]”[illegible]511[illegible]·[illegible]·[illegible]Milliet de Chales[illegible]18[illegible]“physical science”[illegible]25[illegible]Dupleix[illegible]La Physique, ou science naturelle[illegible]1603[illegible]“science naturelle”[illegible]1586[illegible]1537[illegible]“scienza naturale”[illegible]“fisica”[illegible]Zarlino[illegible]Dimostrationi harmoniche[illegible]1571[illegible]9[illegible]·[illegible]Adrian Johns[illegible]“[illegible]”[illegible]Johns[illegible]“Identity, Practice and Trust”[illegible]1999[illegible]1125[illegible]Johns[illegible]The Nature of the Book[illegible]1998[illegible]6 n. 4[illegible]42—43[illegible]“[illegible]”[illegible]“[illegible]”[illegible]“[illegible]”[illegible]“[illegible]”[illegible]“[illegible]”[illegible]17[illegible]Cunningham[illegible]“Getting the Game Right”[illegible]1988[illegible]Henry[illegible]The Scientific Revolution[illegible]2008[illegible]4—5[illegible]

[24][illegible]“physiologer”[illegible]

[25][illegible]“mechanical philosophy”[illegible] EEBO[illegible]26[illegible]“physico-mechanical”[illegible]122[illegible]“experimental philosophy”[illegible]352[illegible]“experimental natural philosophy”[illegible]24[illegible]“Mathematical philosopher”[illegible]“natural philosopher”[illegible]Benedetti[illegible]Consideratione [illegible]1579[illegible]15[illegible]49[illegible]“naturale”[illegible]“[illegible]”[illegible]1650[illegible]“natural philosophy”[illegible]De magnete[illegible]“philosophia naturalis”[illegible]Gilbert[illegible]De magnete[illegible]1600[illegible]116[illegible]·[illegible]“[illegible]”[illegible]Garber[illegible]“On the Frontlines of the Scientific Revolution”[illegible]2004[illegible]151—152[illegible]156—159[illegible]17[illegible]40[illegible]

[26][illegible]Woodward[illegible]Dr Friend’s Epistle to Dr Mead [illegible]1719[illegible]Jurin[illegible]A Letter to the Right Reverend the Bishop of Cloyne [illegible]1744[illegible]18[illegible]“[illegible]”

[27]Ross[illegible]“‘Scientist’[illegible]The Story of a Word”[illegible]1962[illegible]78[illegible]“[illegible]‘artist’[illegible]‘scientist’[illegible]‘sciolist’[illegible]‘economist’[illegible]‘atheist’[illegible]”[illegible]Whewell[illegible]“On the Connexion of the Physical Sciences”[illegible]1834[illegible]59[illegible]1834[illegible]“scientist”[illegible]“man of science”[illegible]·[illegible]Mary Somerville[illegible]“[illegible]”[illegible]“ist”[illegible]“[illegible]……[illegible]“physician”[illegible]“physicist”[illegible]“Scientist”[illegible]“artist”[illegible]“Musician”[illegible]“Painter”[illegible]“Poet”[illegible]“scientist”[illegible]“Mathematician”[illegible]“Physicist”[illegible]“Naturalist”[illegible]”[illegible]Whewel[illegible]The Philosophy of the Inductive Sciences[illegible]1840[illegible]cvi[illegible]cxiii[illegible]“artist”[illegible]—[illegible]“dentist”[illegible]Galton[illegible]English Men of Science[illegible]1874[illegible]“scientist”[illegible]190[illegible]1882[illegible]“scientist” + “scientists”[illegible]“man of science”+“men of science”[illegible]“scientist”[illegible]20[illegible]20[illegible]·[illegible]·[illegible]D’Arcy Wentworth Thompson[illegible]Ross[illegible]“‘Scientist’: The Story of a Word”[illegible]1962[illegible]Secord[illegible]Visions of Science [illegible]2014[illegible]105[illegible]“[illegible]”[illegible]“sciolist”[illegible]—[illegible]Barton[illegible]“Men of science”[illegible]2003[illegible]80—90 [illegible] n. 33[illegible]

[28][illegible]“physic”[illegible]Daneau[illegible]Physique françoise, comprenant . . . le discours des choses naturelles, tant célestes que

terrestres, selon que les philosophes les ont descrites [illegible]1581[illegible]

[29][illegible]

[30][illegible]“[illegible]”[illegible]1892[illegible]“[illegible]”[illegible]s.v. naturalist[illegible]

[31][illegible]Consideratione[illegible]1579[illegible]De temporum emendatione opinio[illegible]1578[illegible]

[32][illegible]·[illegible]·[illegible]John Theophilus Desaguliers[illegible]1716—1743[illegible]

[33][illegible]Daniel Defoe[illegible]Robinson Crusoe[illegible]1719[illegible]“[illegible]”[illegible]18[illegible]17[illegible]

[34]“[illegible]……[illegible]”Butterfield[illegible]The Whig Interpretation of History [illegible]1931[illegible]16[illegible]31—32[illegible]

[35][illegible]·[illegible]Peter Shaw[illegible]“[illegible]”[illegible]Shaw[illegible]A Treatise of Incurable Diseases[illegible]1723[illegible]3[illegible]·[illegible]Richard Davies[illegible]1740[illegible]1707[illegible]“[illegible]”[illegible]Davies[illegible]Memoirs of Saunderson[illegible]1741[illegible]v[illegible]

[36][illegible]1641[illegible]

[37][illegible]1789[illegible]1776[illegible]1772[illegible]1773[illegible]“[illegible]”

[38][illegible]“[illegible]”[illegible]“[illegible]”[illegible]Laslett[illegible]Laslett[illegible]“Commentary”[illegible]1963[illegible]1620[illegible]·[illegible]“Great Instauration”[illegible]“Instauration”[illegible]“[illegible]”[illegible]17[illegible]60[illegible]“[illegible]”[illegible]Webster[illegible]The Great Instauration[illegible]1975[illegible]“[illegible]”[illegible]1677[illegible]3[illegible]25[illegible]

[39]“[illegible]”Blundeville[illegible]A Briefe Description of Universal Mappes[illegible]1589[illegible]C4r[illegible]

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[41][illegible]“[illegible]”[illegible]“[illegible]”[illegible]

[42]“[illegible]”[illegible]Lyotard[illegible]La Condition postmoderne[illegible]1979[illegible]

[43][illegible]“[illegible]”[illegible]577—580[illegible]15[illegible]

[44]Rorty（ed.）[illegible]The Linguistic Turn（1967）[illegible] Wittgenstein[illegible]Tractatus Logico-philosophicus（1933）[illegible]5.6[illegible]Williams[illegible]“[illegible]”[illegible]“Wittgenstein and Idealism”（1973[illegible]

[45][illegible]“[illegible]”[illegible]2[illegible]581—582[illegible]

[46][illegible]1911[illegible]McDonald[illegible]“Russell, Wittgenstein and the Problem of the Rhinoceros”（1993[illegible]

[47][illegible]Dear[illegible]“Totius in verba”（1985[illegible]“totius in verba”[illegible]“nullius in verba”[illegible]“[illegible]”[illegible]Horace[illegible]Sutton[illegible]“Nullius in verba”（1994[illegible]Carpenter[illegible]Philosophia libera（1622）[illegible]1st sig. 8v[illegible]1621[illegible]“nullius”[illegible]“[illegible]”[illegible]“totius in verba”[illegible]“[illegible]”[illegible]“[illegible]”[illegible]“totius”[illegible]“nullius”[illegible]“nullius in verba”[illegible]511[illegible]

[48][illegible]“[illegible]”[illegible]3[illegible]582—583[illegible]

[49][illegible]“[illegible]”[illegible]4[illegible]583—585[illegible]

[50][illegible]1975[illegible]1966[illegible]Feyerabend[illegible]“Against Method”（1970[illegible] Feyerabend[illegible]Science in a Free Society（1978）[illegible]91—96[illegible]

[51][illegible]15[illegible]

[52]“[illegible]‘[illegible]’[illegible]‘[illegible]’[illegible]”[illegible]Wittgenstein[illegible]On Certainty[illegible]1969[illegible]§512[illegible]

[53][illegible]“[illegible]‘[illegible]’[illegible]”[illegible]Wittgenstein[illegible]On Certainty[illegible]1969[illegible]§609[illegible]

[54][illegible]

[55][illegible]Sankey[illegible]“Kuhn’s Changing Concept of Incommensurability”[illegible]1993[illegible]Sankey[illegible]“Taxonomic Incommensurability”[illegible]1998[illegible]Hacking[illegible]“Was There Ever a Radical Mistranslation?”[illegible]1981[illegible]

[56][illegible]“‘[illegible]’[illegible]”[illegible]On Certainty[illegible]§215[illegible]

[57]Narratio de observatis Jovis satellitibus[illegible]1610[illegible]9[illegible]11[illegible]1611[illegible]Kepler[illegible]Dissertatio cum nuncio sidereo[illegible]1993[illegible]“satellitium”[illegible]

[58]“[illegible]”Wittgenstein[illegible]On Certainty[illegible]1969[illegible]§65[illegible]

[59][illegible]“[illegible]”[illegible]/[illegible]·[illegible]Snell[illegible]“The Origin of Scientific Thought”[illegible]1953[illegible]1929[illegible]Snell[illegible]“The Forging of a Language for Science in Ancient Greece”[illegible]1960[illegible]

[60]“[illegible]”[illegible]“[illegible]”[illegible]Chang[illegible]Is Water H2O[illegible]2012[illegible]215[illegible]“success”[illegible]227—233[illegible]

[61][illegible]Galilei[illegible]Le opere[illegible]1890[illegible]Vol. 5[illegible]371—395[illegible]“sensate esperienze[illegible]scorte sicure nel vero filosofare[illegible]”[illegible]378[illegible]Stabile[illegible]“Il concetto di esperienza in Galilei”[illegible]2002[illegible]Galilei[illegible]Le opere[illegible]1890[illegible]Vol. 10[illegible]118[illegible]Galileo to Altobelli[illegible]Vol. 18[illegible]249[illegible]Galileo to Liceti[illegible] & 69[illegible]Baliani to Galileo[illegible]Palisca[illegible]“Vincenzo Galileo”[illegible]2000[illegible]

[62][illegible]14[illegible]·[illegible]15[illegible]

[63]“Reconnoissez l’Expérience, me répondit-il; c’est elle-même”[illegible]Diderot[illegible]Les Bijoux Indiscrets[illegible]1748[illegible]Vol. 1[illegible]352[illegible]of 370[illegible]

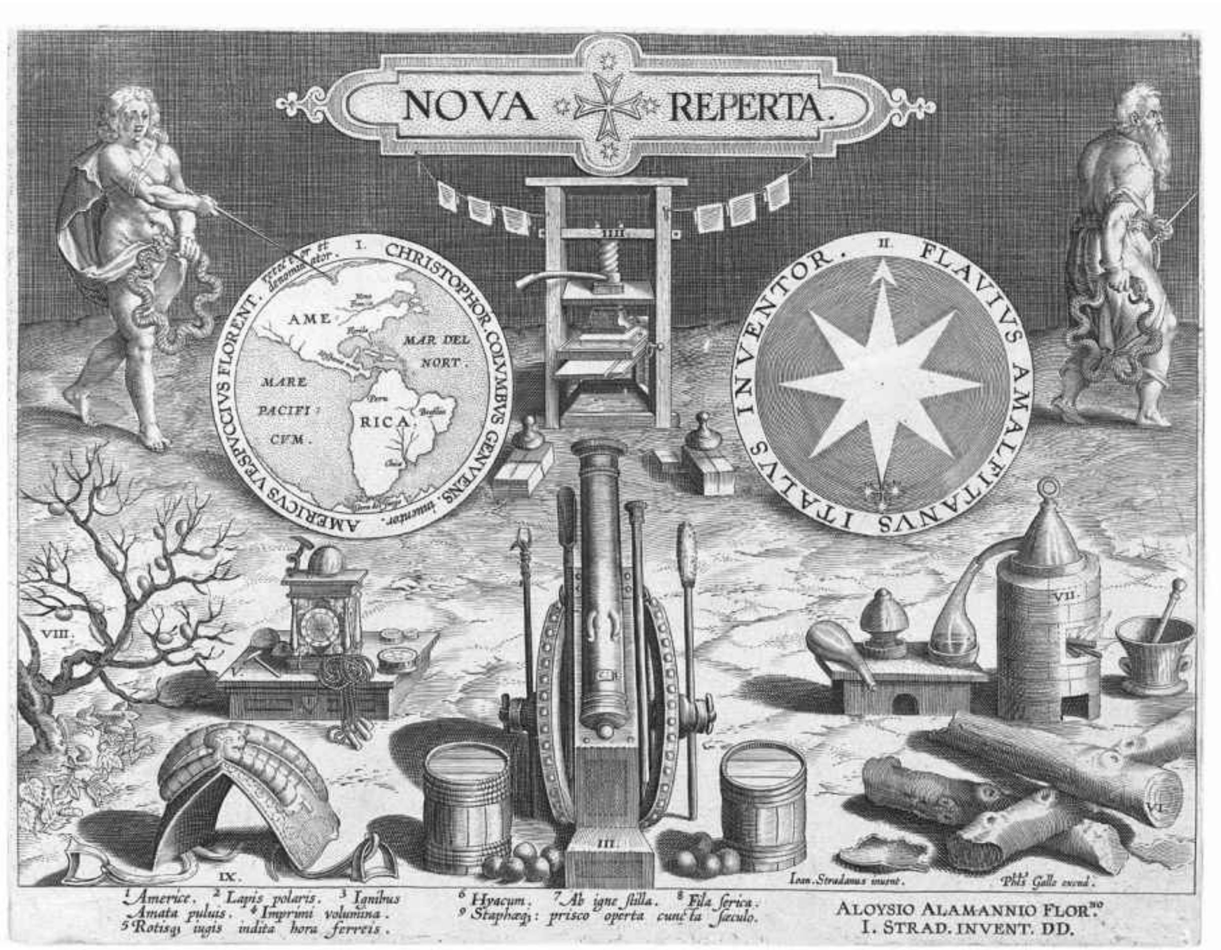
[illegible]1[illegible]

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——[illegible]·[illegible]Nicholas Copernicus[illegible]

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1492[illegible]1492[illegible]·[illegible]17[illegible]16[illegible]·[illegible]1543
[illegible]1611[illegible]



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——N.R.□□□N.R.Hanson□□“□□□□□□”

□“An Anatomy of Discovery”□□1967

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[illegible]“[illegible]”[illegible]1421[illegible]1484[illegible]“*descobrir*”[illegible]“[illegible]”[illegible]“*patefacere*”[illegible]1486[illegible]·[illegible]Fernão Dulmo[illegible]*descobrirse ou acharse*[illegible][2]

[illegible]·[illegible]“[illegible]·[illegible]”[illegible]“Letter to Piero Soderini”[illegible]1516[illegible]“*discoperio*”9[illegible]1507[illegible]“*discooperio*”[illegible]“[illegible]”[illegible]“*discooperio*”[illegible]“[illegible]”[illegible]“*discooperio*”[illegible]“[illegible]”[illegible][3]

[illegible]·[illegible]·[illegible]·[illegible]Fernão Lopes de Castanheda[illegible]1551[illegible]*História do descobrimento e conquista daÍndia*[illegible]1524[illegible]1652[illegible]1551[illegible]1552[illegible]1553[illegible]1554[illegible]1563[illegible]1613[illegible]

[illegible]

[illegible]95[illegible]1500[illegible]

1450—1500	1500—1550	1550—1600	1600—1650	1650—1700	1700—1750
12,589	79,017	138,427	200,906	331,035	355,073

[illegible]Buringh&van Zanden[illegible]“Charting the‘Rise of the West’”[illegible]2009,418.[illegible]

[illegible]16[illegible]17[illegible]1492[illegible]1503[illegible]1500[illegible]

[illegible]“[illegible]”[illegible]“[illegible]”[illegible]“[illegible]”[illegible]“[illegible]”[illegible]“[illegible]”[illegible]“*invenio*”[illegible]“[illegible]”[illegible]1492[illegible]“[illegible]”[illegible]“[illegible]”[illegible]“[illegible]”[illegible]1953[illegible]2[illegible]13[illegible]·[illegible]“[illegible]”[illegible]·[illegible]DNA[illegible][4]

[illegible]“[illegible]”[illegible][5][illegible][6][illegible]·[illegible]·[illegible]Louis Le Roy[illegible]Regius[illegible]1510—1577[illegible]1575[illegible]·[illegible]

[illegible]*Politics*[illegible]1594[illegible]

[illegible]……[illegible]……[illegible]

[illegible]“[illegible]”[illegible]

[illegible]·[illegible]1486[illegible]“*descobrir*”[illegible]1351[illegible]1427[illegible]Plutarch[illegible]

[illegible]“[illegible]”[illegible]1492[illegible]“[illegible]”[illegible]1:9[illegible]“*descrobrir*”[illegible]1486[illegible]“[illegible]”[illegible]

[illegible][7][illegible]“boredom”[illegible]1829[illegible]“ennui”[illegible]1732[illegible]“bore”[illegible]1766[illegible]“to bore”[illegible]1768[illegible]“tediosity”[illegible]“boredom”[illegible]“*ennui*”[illegible]“boredom”[illegible]“nostalgia”[illegible]1688[illegible]“*Heimweh*”[illegible]1729[illegible]“homesick”[illegible]“homesickness”[illegible]1695[illegible]“*la maladie du pays*”[illegible]

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[illegible]“*Schadenfreude*”[illegible]“embarrassment”[illegible]“*Schadenfreude*”[illegible]“embarrassment”[illegible]

[illegible]1486[illegible]“[illegible]”[illegible]·[illegible]“[illegible]”

[illegible]·[illegible]“*inventer*”[illegible]“*l’invention*”[illegible]“[illegible]”[illegible]“[illegible]”[illegible]“*decouvremens*”[illegible]“[illegible]”[illegible]“*decouvremens de terres neuves incogneuësàl’antiquité*”[illegible]“*Des navigations&decouvremens de paÏs*”[illegible]“*entierement decouverte*”[illegible]

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[illegible] [8] [illegible] Avicenna [illegible] 980—1037 [illegible] Aesculapius [illegible] Hippocrates of Chios [illegible] Herophilus [illegible] “[illegible]” [illegible] “[illegible]” [illegible] “*inventiones*” [illegible] Anaxagoras [illegible] Parmenides [illegible]

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[illegible]16[illegible]16[illegible]11[illegible]18[illegible][12][illegible]*Physics*[illegible]*On the Heavens*[illegible]*On Generation and Corruption*[illegible]*Meteorology*[illegible]

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[illegible]1542[illegible]*On the Fabric of the Human Body*[illegible]1572[illegible]

4

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[illegible]“[illegible]”[illegible]*Maxims*[illegible]1540[illegible]1857[illegible]·[illegible]Francesco Guicciardini[illegible]Montaigne[illegible]1580[illegible]“[illegible]……[illegible]”[illegible]“[illegible]3.6[illegible]”[illegible]6000[illegible]Cicero[illegible]12954[illegible]·[illegible]·[illegible]Giulio Cesare Vanini[illegible]1616[illegible]“[illegible]”[illegible]

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[illegible]1555[illegible]·[illegible]·[illegible]João de Barros[illegible]“[illegible]……[illegible]”[illegible]1610/1611[illegible]·[illegible]·[illegible]Lodovico delle Colombe[illegible]“*Plus ultra*[illegible]”[illegible]1633[illegible]6[illegible]·[illegible]Benedetto Castelli[illegible]“*non plus ultra*”[illegible]

[illegible]1553[illegible]·[illegible]·[illegible]*The Resolution of All Geometrical Problems of Euclid and Others with a Single Setting of the Compass*[illegible]“[illegible]”[illegible]*per Joannem Baptistam de Benedictis Inventa*[illegible]*New Science*[illegible]1537[illegible]·[illegible]Robert Norman[illegible]1581[illegible]*The Newe Attractive*[illegible]“[illegible]……[illegible]”[illegible]“[illegible]”[illegible]·[illegible]*Cosmographia*[illegible]1607[illegible]*alcune cose di nuovo dall’autore ritrovate*[illegible]1585[illegible]1608[illegible]“[illegible]”[illegible]

20[illegible]“[illegible]*cose trovabili*[illegible]”[illegible]“[illegible]”[illegible]·[illegible]NiccolòAggiunti[illegible]

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[illegible]“discovery”[illegible]1554[illegible]“discover”[illegible]1553[illegible]“voyage of discovery”[illegible]1574[illegible]1559[illegible]·[illegible]Jacobus Acontius[illegible]

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[illegible]“advancement”[illegible]“progression”[illegible]“proficiency”[illegible]“[illegible]”[illegible]1670[illegible]“improvement”[illegible]“progress”[illegible]1492[illegible]*The Advancement of Learning*[illegible]1605[illegible]1623[illegible]*The Wisdom of the Ancients,*1609[illegible]*The New Organon*[illegible]1620[illegible]*The Great Instauration*[illegible]1626[illegible]*Sylva sylvarum*[illegible]“*sylva*”[illegible]“*Sylva sylvarum*”[illegible]“[illegible]”[illegible]“[illegible]”[illegible]“*Organon*”[illegible]

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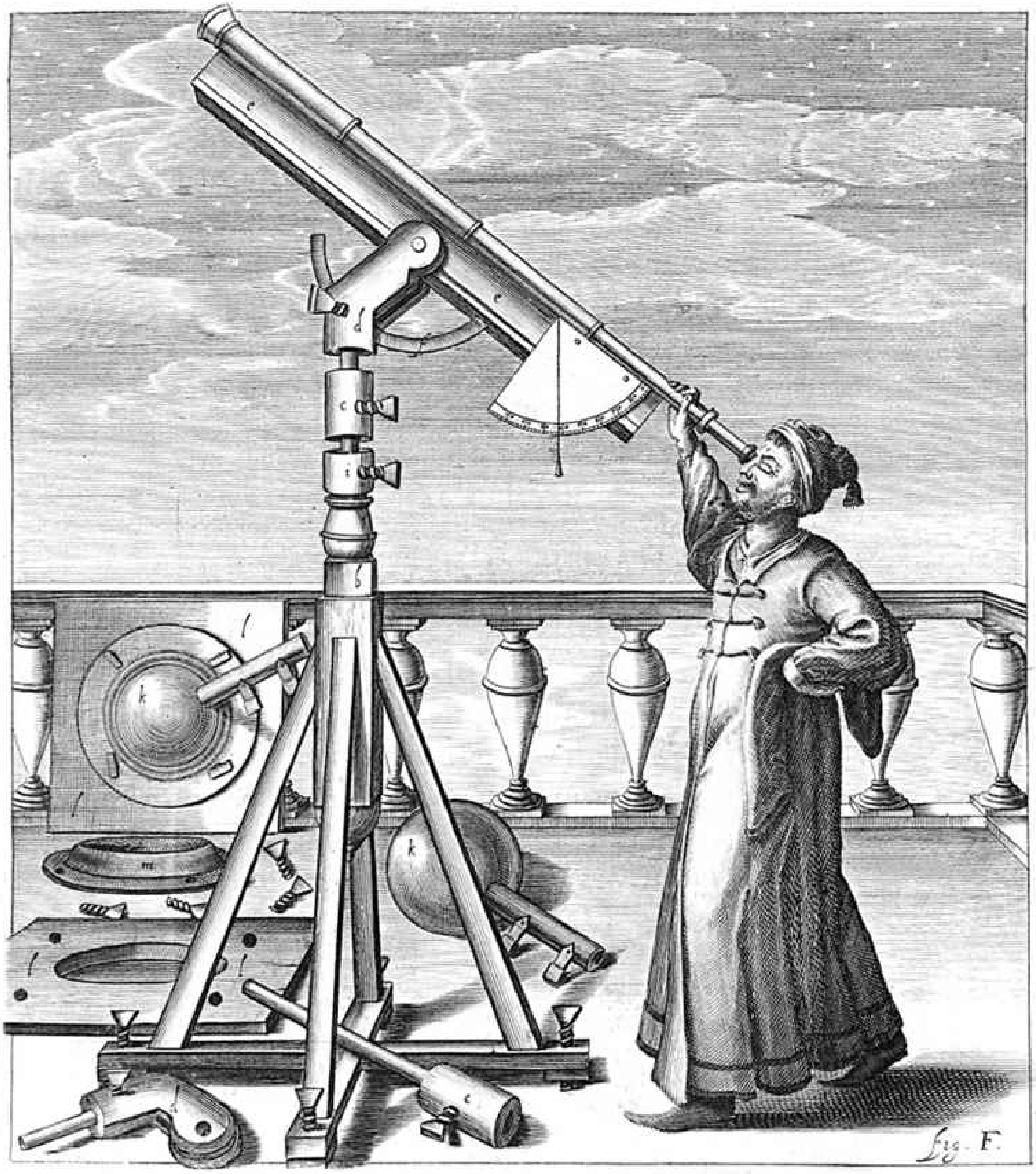
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[illegible]1611[illegible]·[illegible]Realdo Colombo[illegible]1592[illegible]·[illegible]·[illegible]Girolamo Fabrizi d’Acquapendente[illegible]

1610[illegible]1[illegible]7[illegible]1[illegible]15[illegible]

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[illegible]150[illegible]45.7[illegible]
[illegible]1610/1611[illegible]

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[illegible]1705[illegible]75[illegible]1758[illegible]1758[illegible]1717[illegible]“[illegible]1758[illegible]”[illegible]1705[illegible]1717[illegible]1758[illegible]1758[illegible]1759[illegible]“[illegible]”[illegible]1705[illegible]·[illegible]·[illegible]Wilhelm Friedrich Bessel[illegible]1846[illegible]

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8

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1520[illegible]·[illegible]·[illegible]Scipione del Ferro[illegible]·[illegible]·[illegible]NiccolòFontana[illegible]Tartaglia[illegible]“[illegible]”[illegible]“[illegible]”[illegible]·[illegible]“[illegible]”[illegible]·[illegible]Girolamo Cardano[illegible]·[illegible]1545[illegible]“[illegible]”[illegible]

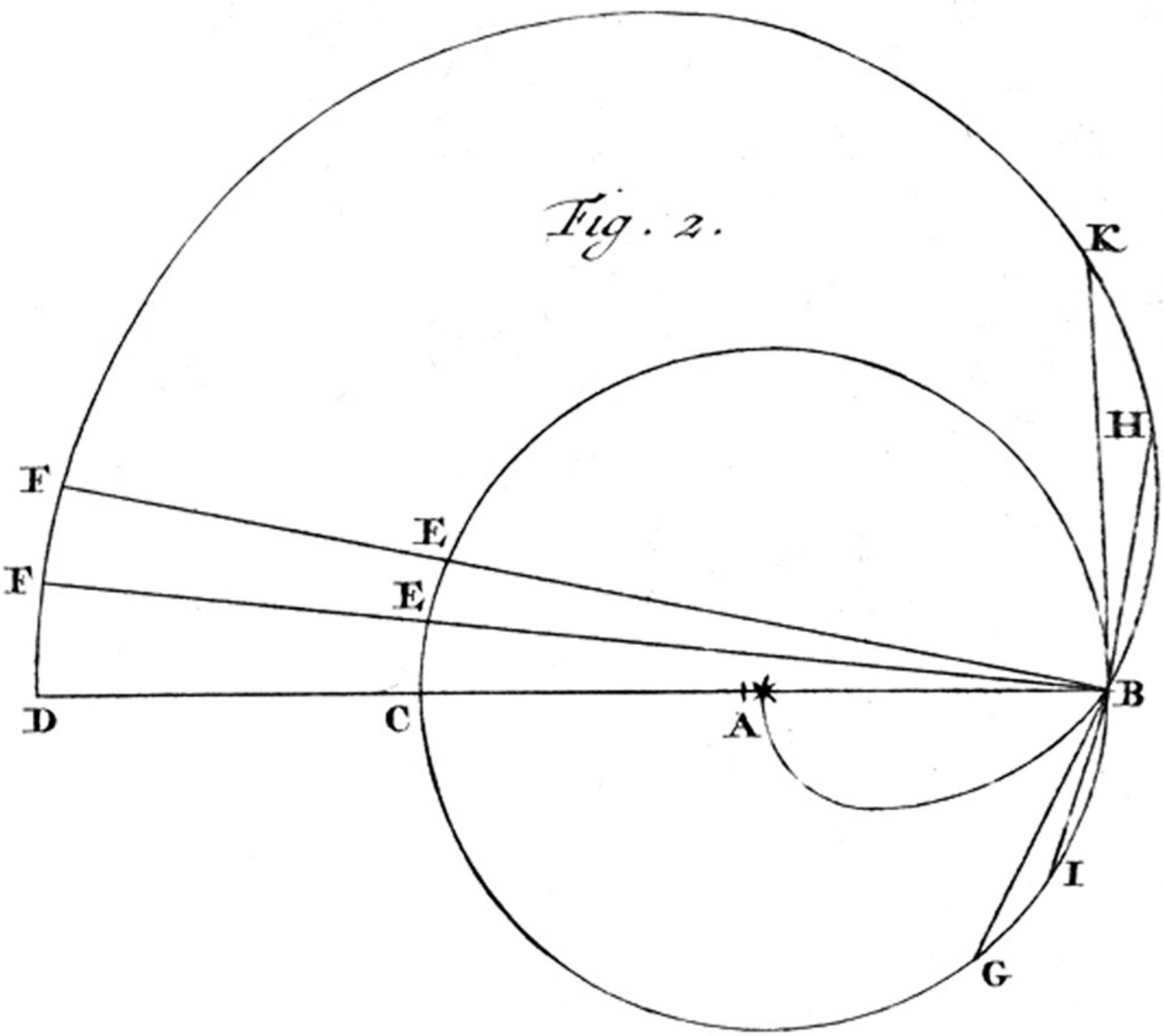
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[illegible]1507[illegible]“[illegible]”[illegible]Alexander[illegible]·[illegible]Augustus Caesar[illegible]Constantine[illegible][28][illegible]Alphonso X[illegible]1221—1284[illegible]

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[illegible]1610[illegible]“[illegible]”[illegible]·[illegible]Julius Caesar[illegible][29]236[illegible]

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1682 *Epistola Invitatoria dat.Altdorf 1682* Sturmius · Roger Bacon 400 · Sebastian Cabbott declination · inclination [36] variation Volckamer

1492 1605 1610

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· Pierre Bourdieu “

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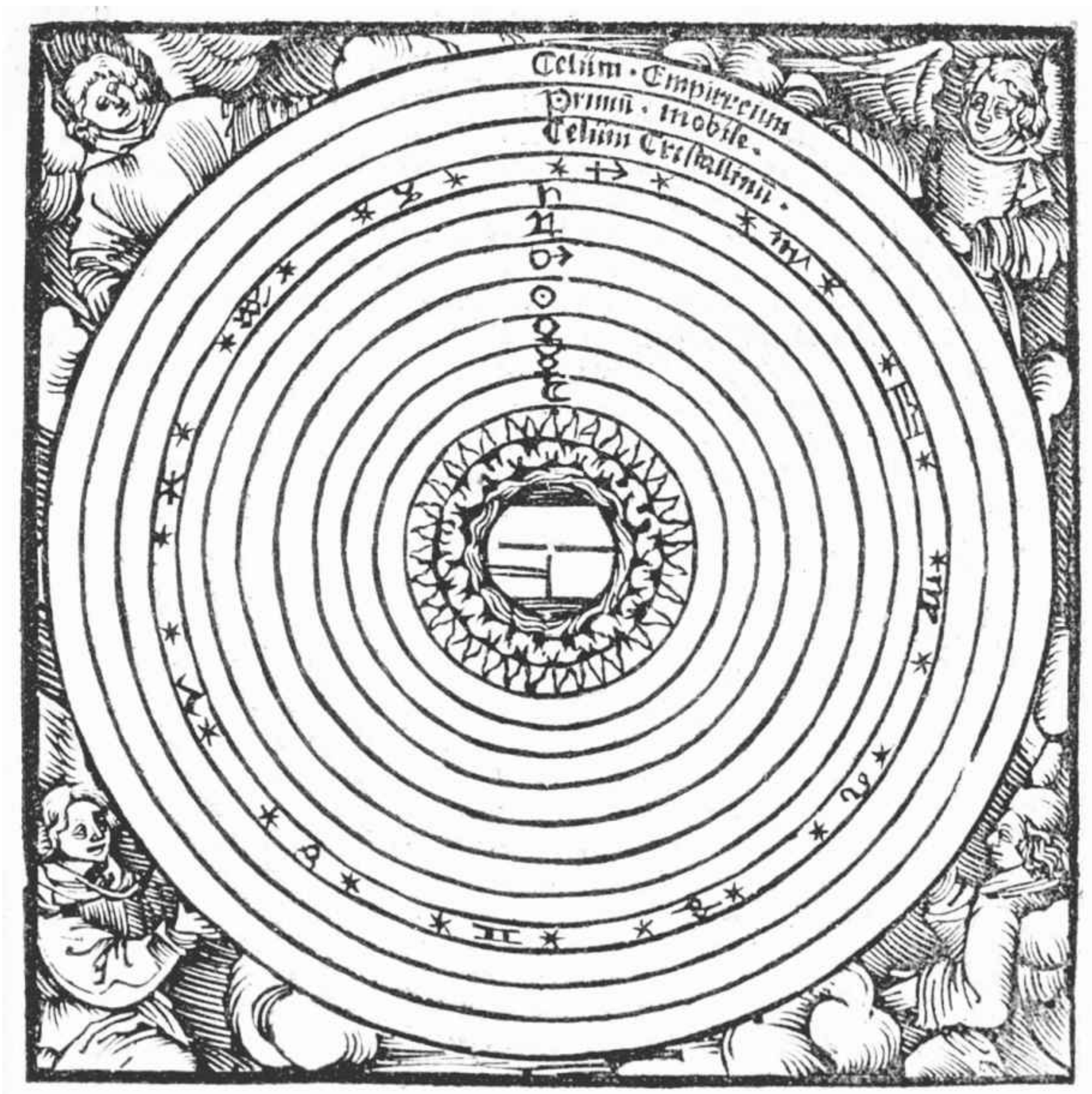
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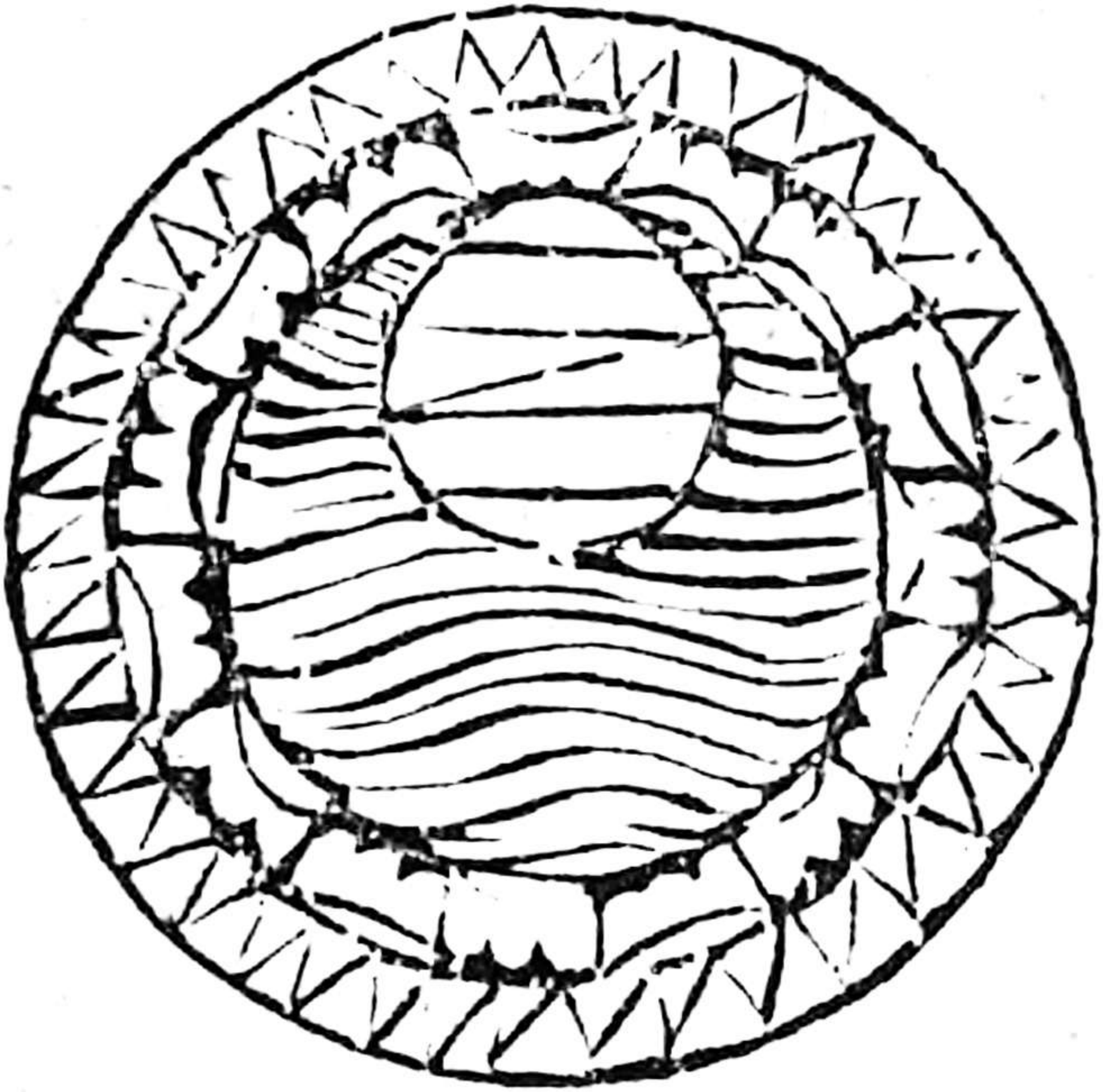
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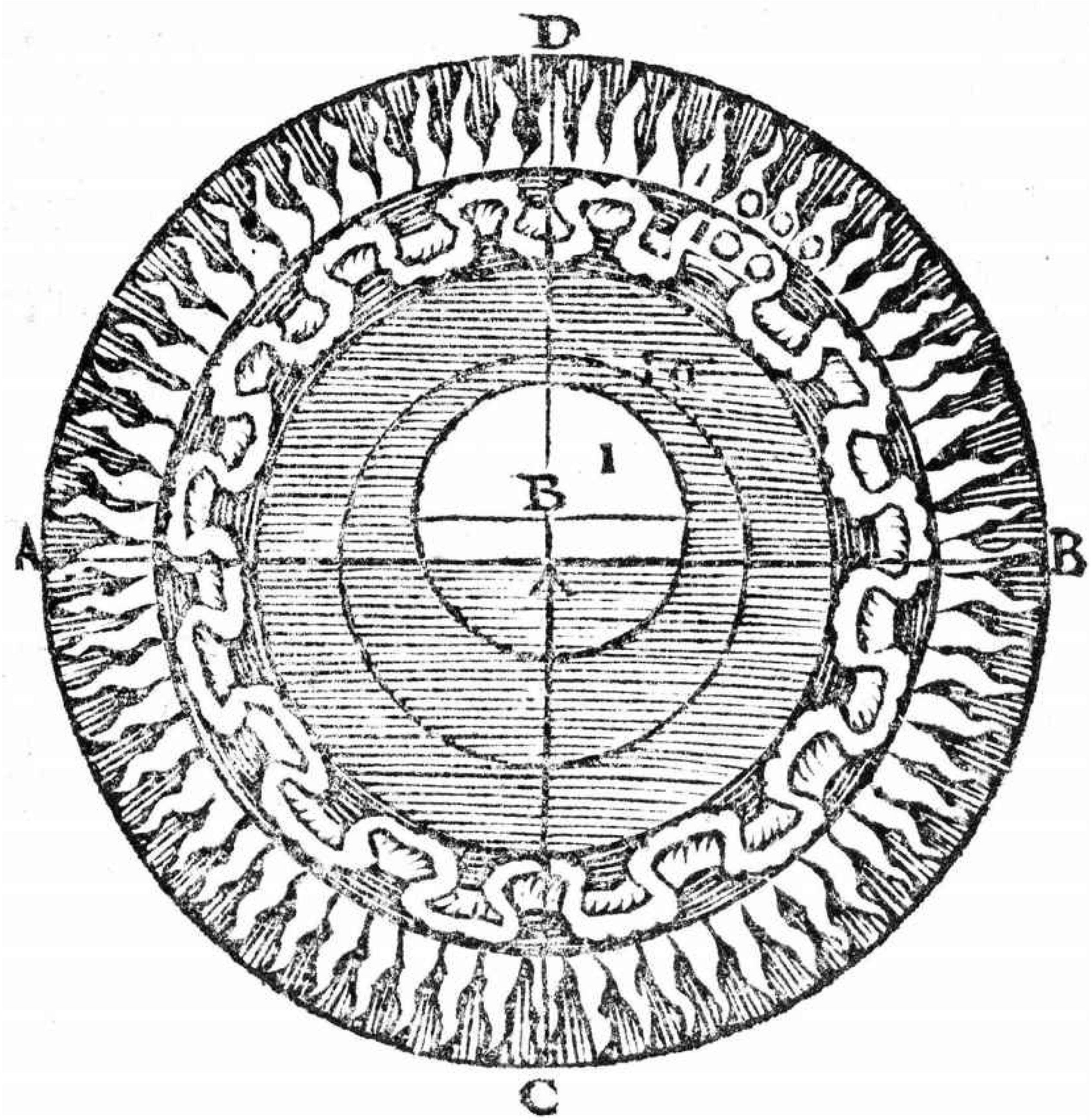
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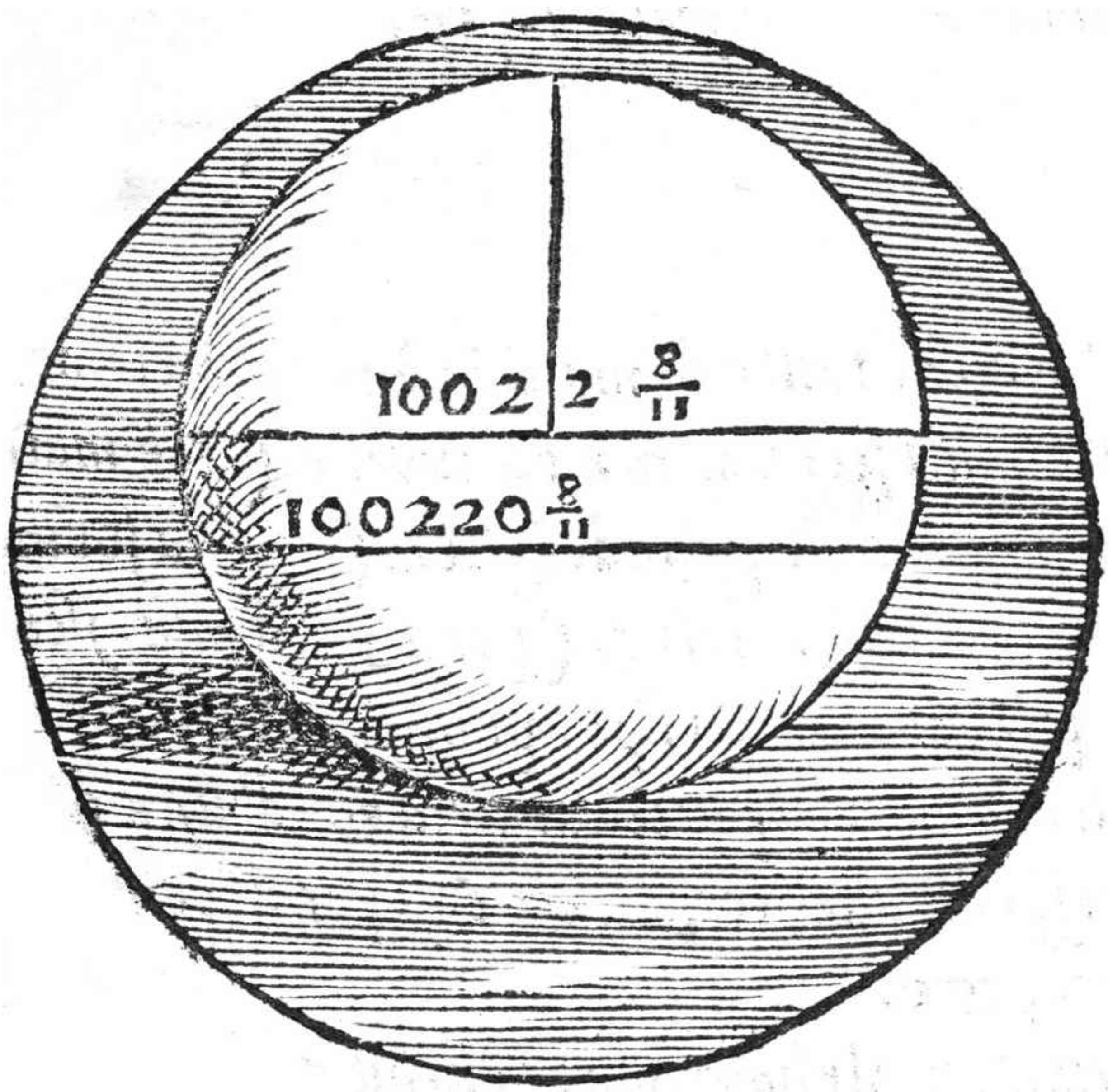


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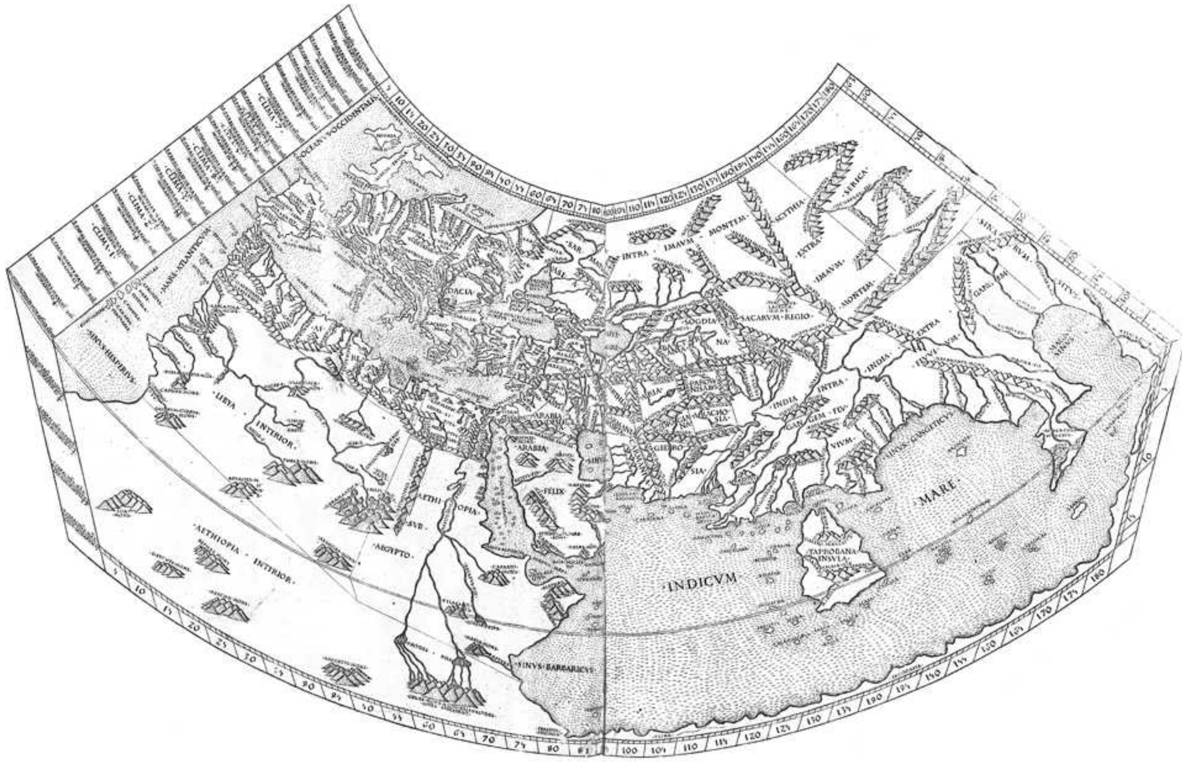
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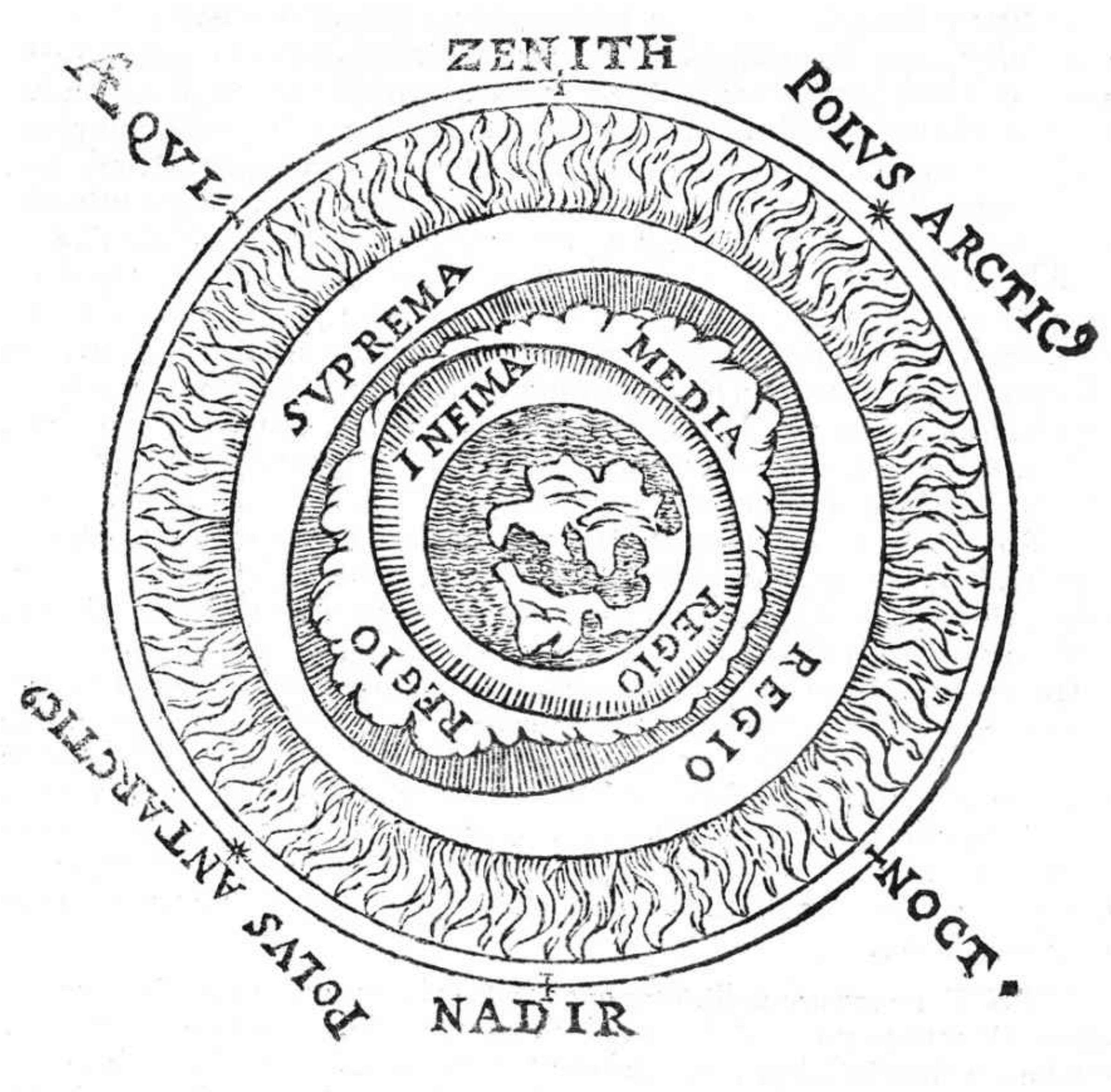
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□□□1570□□□□□1581□□

1515□□□□□□□□□□□□·□□□□□□Joachim Vadianus□□□□□□□□□□□□□□□□□□□□□□□□□□□□□“□□□□□”□*Habes lector*□□“□□□□□”□*Dear Reader*□□□□6□□

[illegible]·[illegible]（George Tannstetter）[illegible]“[illegible]”[illegible]

1531[illegible]·[illegible]（Jacob Ziegler）[illegible]（Melanchthon）[illegible]/[illegible]·[illegible]（Peter Apian）[illegible]1526[illegible]·[illegible]1570[illegible]



[illegible]·[illegible]……[illegible]·[illegible]……[illegible]
[illegible]*Sphaera ... per Petrum Apianum ...recognita ac emendata*[illegible]1526[illegible]

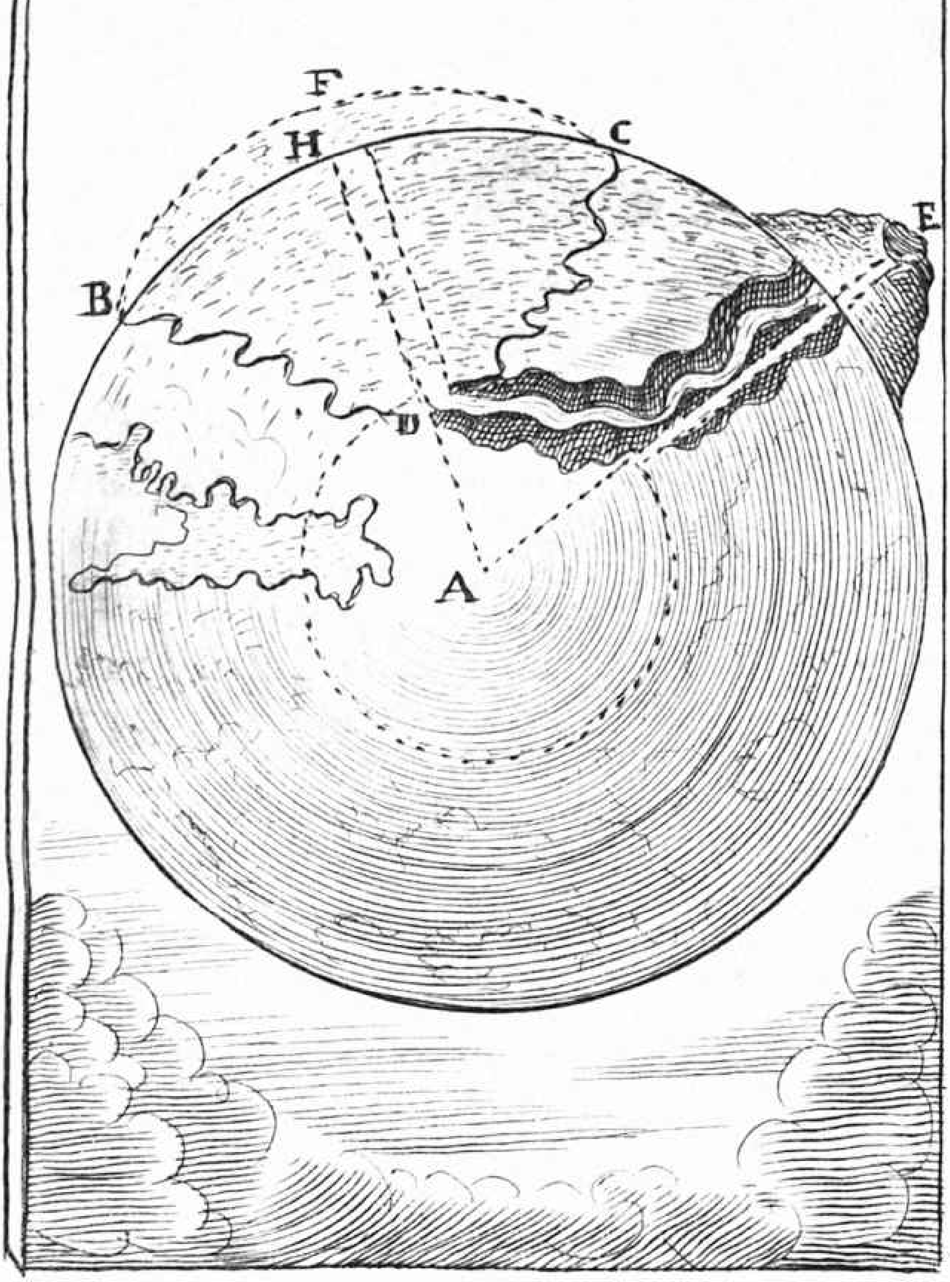
1538[illegible]“[illegible]”[illegible]1639[illegible]“*Terram cum aqua globum constituere*”[illegible]

[illegible]1538[illegible]

1475[illegible]1550[illegible]·[illegible]Mario Bettini[illegible]1582—1657[illegible]·[illegible]Gaspar Schott[illegible]1608—1666[illegible]F[illegible]BC[illegible]E[illegible]17[illegible][7]308[illegible]

1578[illegible]8[illegible]·[illegible]Emanuele Filiberto[illegible]·[illegible]Antonio Berga[illegible]10[illegible]·[illegible]·[illegible]“[illegible]”[illegible][8]

FIGVRA XIII pag. 316



[illegible]—[illegible]*Anatomia physico-hydrostatica fontium ac fluminum*[illegible]1663[illegible]

[illegible]“*altera orbis terrarum*”[illegible]Oviedo[illegible]·[illegible]·[illegible]·[illegible]·[illegible]·[illegible]Gonzalo Fernández de Oviedo y Valdé[illegible]1535[illegible]“*Altera orbis terrarum*”[illegible]

[illegible]1596[illegible]*Universae naturae theatrum*[illegible]·[illegible]1/7[illegible]“*terram aquis supernatare*”[illegible]

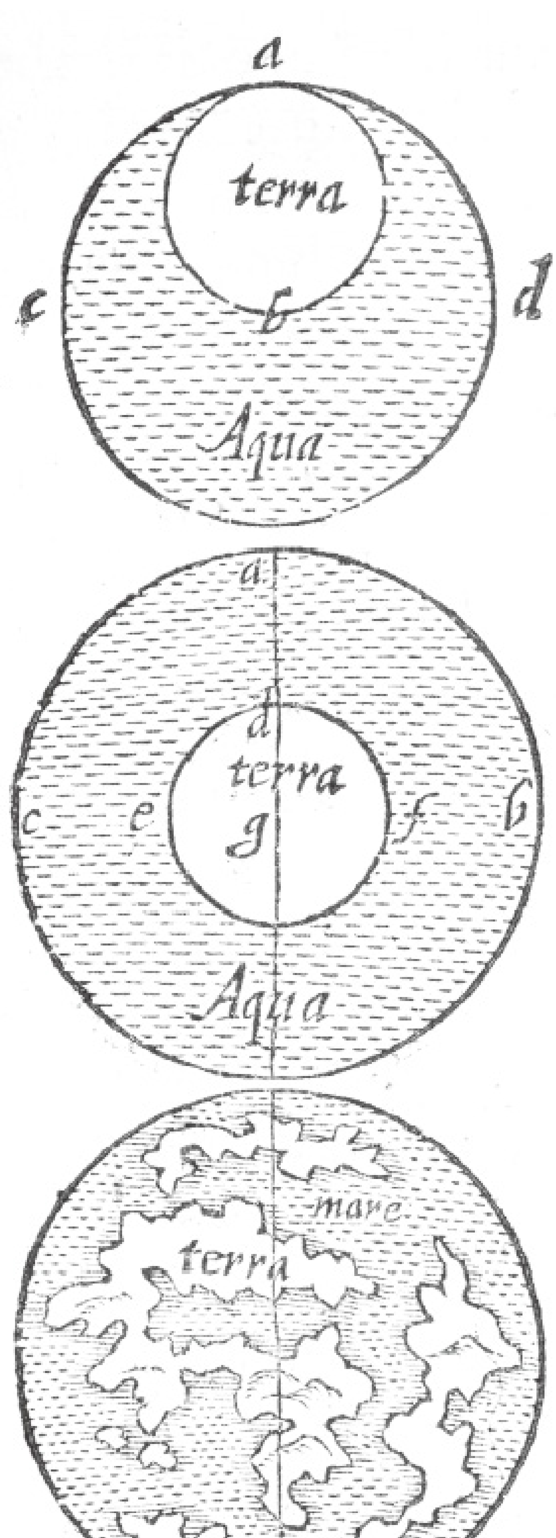
[illegible]1/10[illegible]*Old Testament*[illegible]

[illegible]·[illegible]

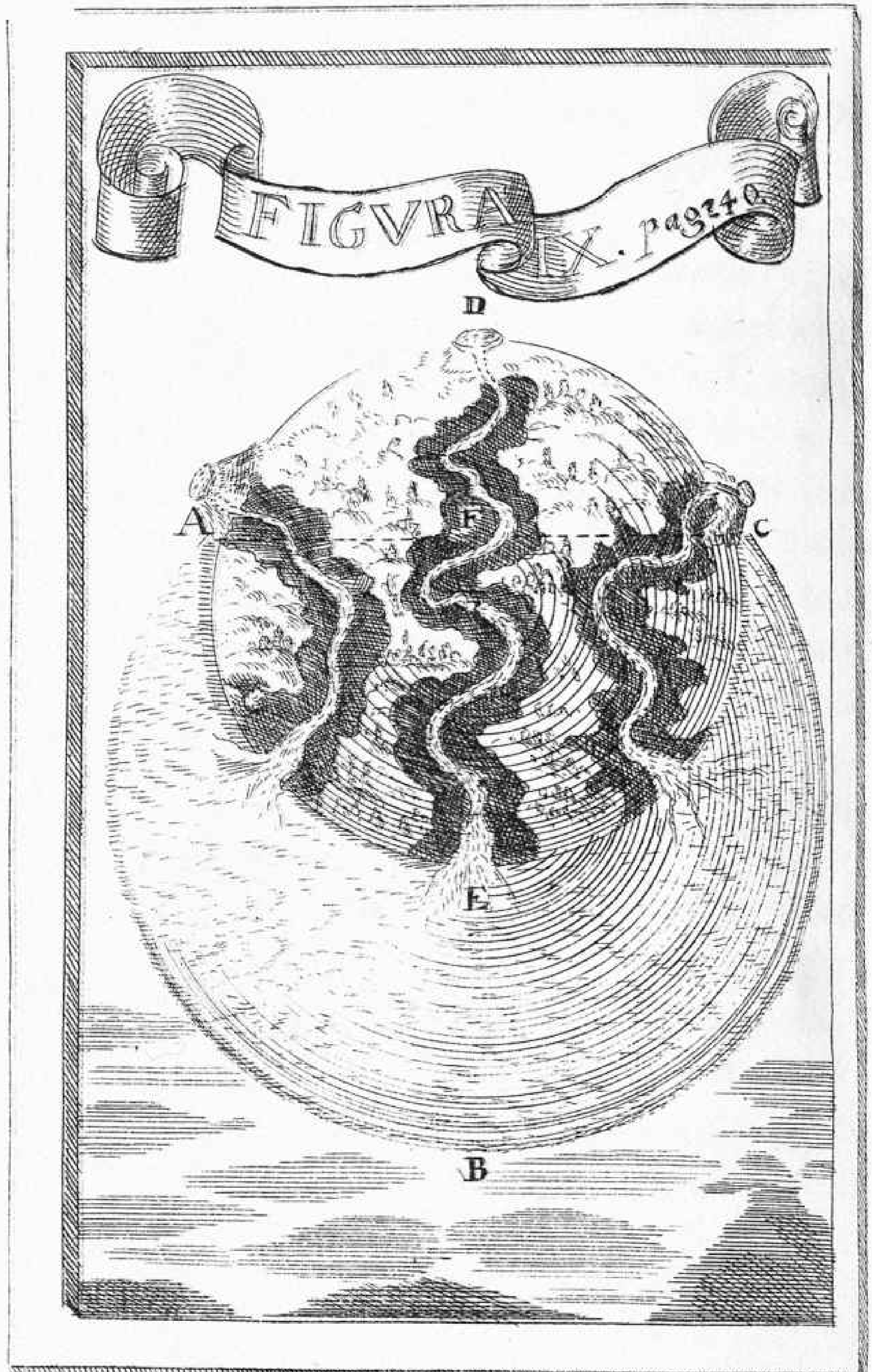
[illegible]

[illegible] *an sit* [illegible] *propter quid* [illegible] [9] [illegible]·[illegible]·[illegible]·[illegible] 1543 [illegible]

[illegible] 14 [illegible] 16 [illegible]·[illegible]·[illegible]



[illegible] 1596 [illegible] 1/10 [illegible]


FIGVRA IX. pag.140.
D
A
F
C
E
B

[illegible]—[illegible]1663[illegible]

[illegible]13[illegible][10][illegible][11][illegible]1507[illegible]

3

1543[illegible]24[illegible]10[illegible]“[illegible]”[illegible]—[illegible]

[illegible]1543[illegible]1514[illegible]“[illegible]”[illegible]*Commentariolus*[illegible]*Little Commentary*[illegible]

[illegible]·[illegible]Edward Rosen[illegible]1507[illegible]·[illegible]John Ruysch[illegible]1507—1543[illegible]“*centrum terrae non esse centrum mundi,sed tantum gravitatis et orbis Lunaris*”[illegible]“[illegible]”[illegible]“*Centrum terrae esse centrum gravitatis*”[illegible]”[illegible]1514[illegible]1515[illegible]

[illegible]“*Alius telluris motus est quotidianae revolutionis et hic sibi maxime proprius in polis suis secundum ordinem signorum hoc est ad orientem labilis,per quem totus mundus praecipiti voragine circumagi videtur*[illegible]*sic quidem terra cum circumfluis aqua et vicino aere volvitur*[illegible]”[illegible]“[illegible]”

[illegible]“*terra cum circumfluis aqua et vicino aere volvitu*”[illegible]“[illegible]”[illegible]“[illegible]”[illegible]

[illegible]1507[illegible]1508[illegible]·[illegible]Lawrence Corvinus[illegible]“[illegible]”[illegible]14[illegible]1543[illegible]·[illegible]“[illegible]”[illegible]

[illegible]·[illegible]/[illegible]

[illegible]10[illegible]“[illegible]”[illegible]·[illegible]·[illegible]Gregor Reisch[illegible]1496[illegible]“[illegible]”[illegible]



ſet octaua, diameter eius nõ poſſet eſſe maior, quàm quæ ex centro ad circumferentiam aquarum: tantũ abeſt, ut etiã decies maior ſit aqua. Quòd etiam nihil interſit inter centrum grauitatis terræ, & centrum magnitudinis eius: hinc accipi poteſt, quòd conuexitas terræ ab oceano expaciata, non continuo ſemper intumeſcit abſceſſu, alioꝗ arceret quàm maxime aquas marinas, nec aliquo modo ſineret interna maria, tamq́ʒ uaſtos ſinus irrumpere. Rurſum à littore oceani non ceſſaret aucta ſemper profunditas abyſsi, qua propter nec inſula, nec ſcopulus, nec terrenum quidpiam occurreret nauigantibus longius progreſsis. Iam uero conſtat inter Ægyptium mare Arabicumq́ʒ ſinum uix quindecim ſupereſſe ſtadia in medio ferè orbis terrarum. Et uiciſsim Ptolemæus in ſua Coſmographia ad medium uſqʒ circulum terram habitabilem extendit, relicta inſuper incognita terra, ubi recẽtiores Cathagyam & ampliſsimas regiones, uſqʒ ad LX. longitudinis gradus adiecerunt: ut iam maiori longitudine terra habitetur, quàm ſit reliquum oceani. Magis id erit clarum, ſi addantur inſulæ ætate noſtra ſub Hiſpaniarum Luſitaniæq́ʒ Principibus repertæ, & præſertim America ab inuentore denominata nauium præfecto, quam ob incompertam eius adhuc magnitudinem, alterũ orbem terrarum putant, præter multas alias inſulas antea incognitas, quo minus etiã miremur Antipodes ſiue Antichthones eſſe. Ipſam enim Americam Geometrica ratio ex illius ſitu Indiæ Gangeticæ è diametro oppoſitam credi cogit. Ex his demum omnibus puto manifeſtum, terrã ſimul & aquã uni centro grauitatis inniti, nec eſſe aliud magnitudinis terræ, quæ cũ ſit grauior, dehiſcẽtes eius partes aqua expleri, & idcirco modicam eſſe cõparatione terrę aquam, etſi ſuperficietenus plus forſitan aquæ appareat. Talem quippe figurã habere terram cum circumfluentibus aquis neceſſe eſt, qualem umbra ipſius oſtendit: abſoluti enim circuli circumferentijs Lunã deficiẽtem efficit. Non igitur plana eſt terra, ut Empedocles & Anaximenes opinati ſunt: neqʒ Tympanoides, ut Leucippus: neqʒ Scaphoides, ut Heraclitus: nec alio modo caua, ut Democritus. Neqʒ rurſus Cylindroides ut Anaximãder: neqʒ ex inferna parte infinita radicitus craſsitudine ſubmiſſa, ut Xenophanes, ſed rotũditate abſoluta, ut Philoſophi ſentiũt.

[illegible]10[illegible]·[illegible]Noel Malcolm[illegible]

[illegible]·[illegible]Michael Shank[illegible]1508[illegible]·[illegible]1499[illegible]1501—1503[illegible]

[illegible]1508[illegible]·[illegible]

[illegible]*First Narration*[illegible]1540[illegible]·[illegible]

[illegible]Celio Calcagnini[illegible]1541[illegible]

[illegible]1542/1543[illegible]

4

[illegible]1583[illegible]·[illegible]

[illegible]·[illegible]·[illegible]·[illegible]Philotheus Jordanus Brunus Nolanus[illegible]

[illegible]“*chentrum*”“*chirculus*”“*circumferenchia*”[illegible]20[illegible]·[illegible]George Abbott[illegible]“[illegible]”

[illegible]40[illegible]·[illegible]Girolamo Fracastoro[illegible]

1477—1553[illegible]

[illegible]

[illegible]·[illegible]“[illegible]”[illegible]1957[illegible]·[illegible]Erasmus Reinhold[illegible]1511—1553[illegible]·[illegible]Michael Maestlin[illegible]1550—1631[illegible]·[illegible]1546—1601[illegible]·[illegible]1538—1612[illegible]·[illegible]Giovanni Magini[illegible]1555—1617[illegible]1543[illegible]1566[illegible]Osiander[illegible]

1583[illegible]·[illegible]Christoph Rothmann[illegible]·[illegible]1585[illegible]·[illegible]1576[illegible][12][illegible]

[illegible]Ficino[illegible][13][illegible]*The Ash Wednesday Supper*[illegible]18[illegible]6[illegible][14][illegible]*Il candelaio*[illegible],[illegible]1582[illegible]

[illegible]

[illegible]“[illegible]”[illegible]310—[illegible]230[illegible]

[illegible]

[illegible]*On Learned Ignorance*[illegible]1440[illegible]Nicholas of Cusa[illegible][15][illegible]

[illegible][16][illegible]

1585[illegible]1592[illegible]1600[illegible]2[illegible]17[illegible]8[illegible]

[illegible][17]
[illegible]

[illegible]50[illegible]1949[illegible]Bellarmine[illegible]1616[illegible][18]

5

[illegible]·[illegible]1576[illegible]Leonard[illegible]*A Prognostication Everlasting*[illegible]6[illegible]1555[illegible]13[illegible]1619[illegible]358463[illegible]576890[illegible]

[illegible]17[illegible]40[illegible]8[illegible]

[illegible]3[illegible]1605[illegible]18[illegible]1934[illegible]1576[illegible]

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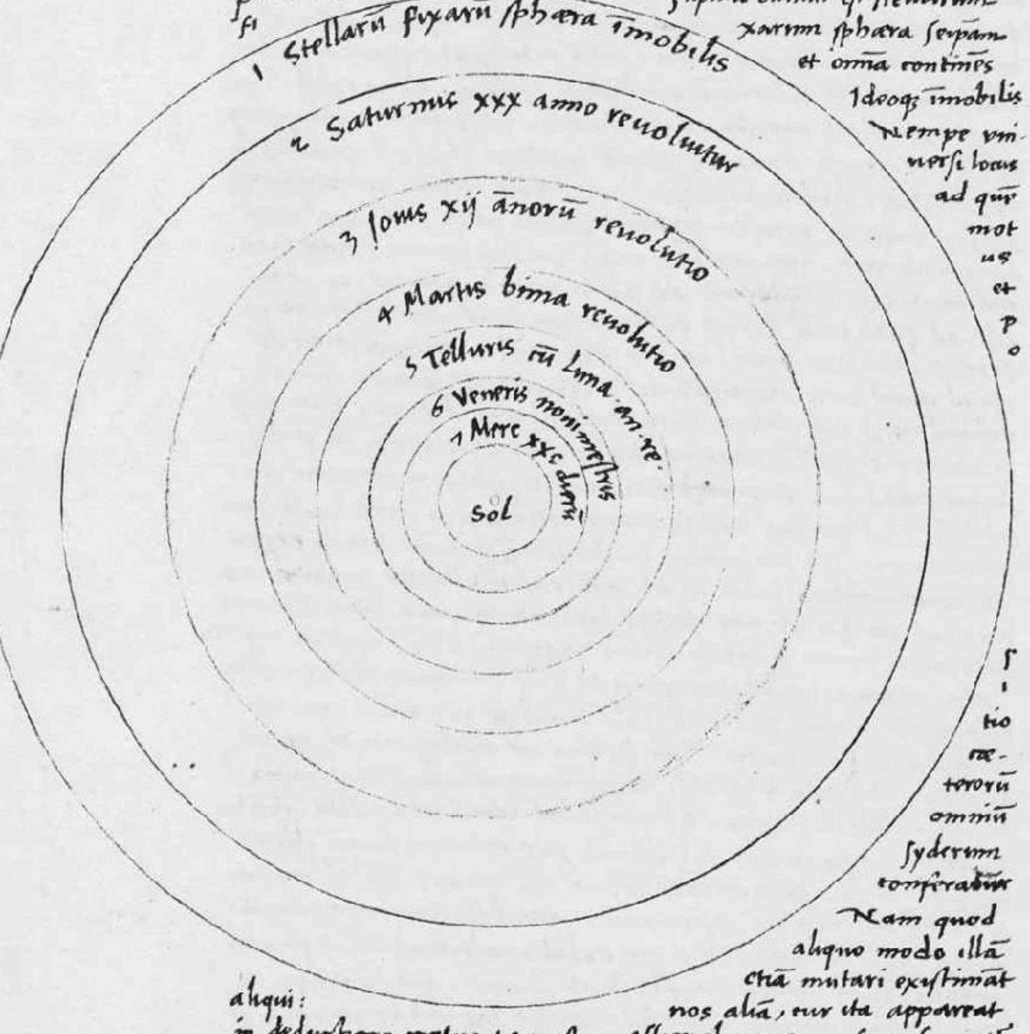
1576[illegible]1573[illegible]“[illegible]”[illegible]“[illegible]”[illegible]

[illegible]

[illegible][19][illegible]

[illegible][20]

ratione salua manēte, nemo enī conuenientiore allegabit
q̄ ut magnitudine orbium multitudo tp̄is metiatur, ordo sphae-
rarum sequitur in hunc modū: a summo capientes initium.
prima et suprema omniū est stellarum fi-
xarum sphaera seipsam et omnia continens ideoq̄ immobilis nempe uniuersi locus ad quē motus et positio ceterorū omniū syderum conferatur. Nam quod aliquo modo illā etiā mutari existimant aliqui: nos aliā, cur ita appareat



in deductione motus terrestris assignabimus causam. Sequitur errantium primus Saturnus: qui XXX anno suū complet circuitū post hunc Jupiter duodecennali reuolutione mobilis. Deinde Mars ~~volu~~ qui biennio circuit. Quartū in ordine annua reuolutio locum optinet: in quo terra cum orbe Lunari tamq̄ epicyclio contineri diximus. Quinto loco Venus nono mense reducitur

[illegible]1543[illegible]

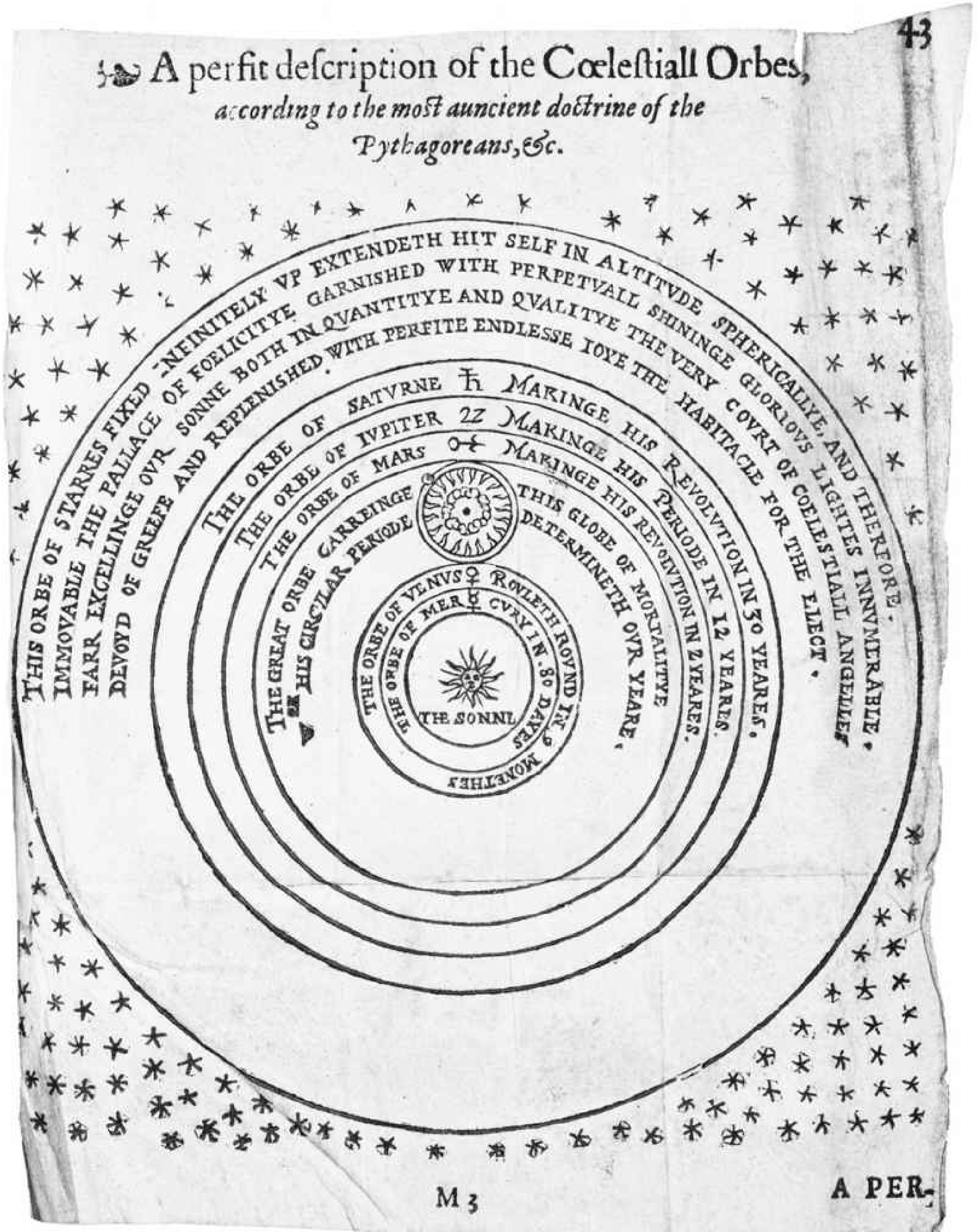
[illegible]

[illegible]·[illegible]21600[illegible]34761.8[illegible]900[illegible]1448.4[illegible]30[illegible]48.3[illegible]/[illegible]900[illegible]1448.4[illegible]/[illegible]·[illegible]

[illegible]

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□Marlowe□□□□□□□□□*Doctor Faustus*□1592□□□□□
□Mephistopheles□□□“□□□□□□□□□□□”□□□□□□□□□□□
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43
A perfit description of the Cœlestiall Orbes, according to the most auncient doctrine of the Pythagoreans, &c.
THIS ORBE OF STARRES FIXED INFINITELY VP EXTENDETH HIT SELF IN ALTITVDE SPHERICALLYE, AND THEREFORE IMMOVABLE THE PALLACE OF FOELICITYE GARNISHED WITH PERPETVALL SHININGE GLORIOVS LIGHTES INNVMERABLE, FARR EXCELLINGE OVR SONNE BOTH IN QVANTITYE AND QVALITYE THE VERY COVRT OF COELESTIALL ANGELLES DEVOYD OF GREEFE AND REPLENISHED WITH PERFITE ENDLESSE IOYE THE HABITACLE FOR THE ELECT.
THE ORBE OF SATVRNE MAKINGE HIS REVOLVTION IN 30 YEARES.
THE ORBE OF IVPITER MAKINGE HIS PERIODE IN 12 YEARES.
THE ORBE OF MARS MAKINGE HIS REVOLVTION IN 2 YEARES.
THE GREAT ORBE CARREINGE THIS GLOBE OF MORTALITYE HIS CIRCVLAR PERIODE DETERMINETH OVR YEARE,
THE ORBE OF VENVS ROVLETH ROVND IN 9 MONETHES
THE ORBE OF MERCVRY IN 80 DAYES
THE SONNE
M 3
A PER-

[illegible]—[illegible]1596[illegible]1576[illegible]

[illegible]“[illegible]”（1561）、“[illegible]”（1565）、“[illegible]”（1576）[illegible]

[illegible]1585[illegible]·[illegible]·[illegible]*Star Trek*[illegible]“[illegible]”[illegible]

[illegible]·[illegible]（1544—1603）[illegible]

[illegible]*On the Universe*[illegible]1603[illegible]16[illegible]90[illegible]1651[illegible]“[illegible]”[illegible]

6

[illegible]1572[illegible]

[illegible]·[illegible]

[illegible]

[illegible]“*physica*”[illegible]“*physiologia*”[illegible]17[illegible]17[illegible]80[illegible]

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[1][illegible]“cosmographers”[illegible]“cosmography”[illegible]“cosmology”[illegible]16[illegible]

[2][illegible]18[illegible]Vallisneri[illegible]“Lezione accademica intorno all’origine dellefontane”[illegible]1715[illegible]

[3][illegible]

[4][illegible]3[illegible]18[illegible]180°[illegible]

[5][illegible]6[illegible]

[6][illegible]1505—1508[illegible]·[illegible]·[illegible]Duarte Pacheco Pereira[illegible]Morison[illegible]Portuguese Voyages to America[illegible]1940[illegible]132—135[illegible]“[illegible]”[illegible]

[7][illegible]1618[illegible]Kepler[illegible]Epitome astronomiae Copernicanae [illegible]1635[illegible]26—27[illegible]Froidmont[illegible]Meteorologicorum libri sex[illegible]1627[illegible]

[8][illegible]·[illegible]Agostino Michele[illegible]Agostino Michele[illegible]Trattato della grandezza dell’acqva et della terra [illegible]1583[illegible]13[illegible]Benedetti[illegible]Consideratione [illegible]1579[illegible]14[illegible]

[9][illegible]·[illegible]·[illegible]“[illegible]”[illegible]Goldstein[illegible]“Theory and Observation”[illegible]1972[illegible]47[illegible]1492[illegible]

[10][illegible]

[11][illegible]16[illegible]

[12]25[illegible]1608[illegible]1572[illegible]

[13][illegible]·[illegible]16[illegible]70[illegible]“[illegible]……”[illegible]Goulding[illegible]“Henry Savile and the Tychonic World-system”[illegible]1995[illegible]153[illegible]

[14]La Cena de le Ceneri [illegible]1584[illegible]De la causa, principio, et uno [illegible]1584[illegible] De l’infinito universo et mondi [illegible]1584[illegible] Spaccio de la Bestia Trionfante [illegible]1584[illegible] Cabala del cavallo Pegaseo–Asino Cillenico [illegible]1585[illegible] De gli heroici furori [illegible]1585[illegible]

[15][illegible]1616[illegible]·[illegible]Berkel[illegible]Isaac Beeckman[illegible]2013[illegible]98—99[illegible]

[16][illegible]Oresme[illegible]LeLivre du ciel et du monde [illegible]1968[illegible]315—355[illegible]1377[illegible]

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Horrocks□Venus Seen on the Sun □2012□□73□

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coelestium”□□□□□Gingerich□An Annotated Census□2002□xvi□32□135□153□209□□
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Copernicanae□□□□□□□□“De doctrina sphaerica” □□□□□□□□□□□□□□□□□□□□□□□□□□□□
□□□Barker□□□□□□□□□□□□□□□“□□”□□□
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1990□□□□□□□□□□□□□□□□□□□□□□□□□□/□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□
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[20]□□
□Kren□“The Rolling Device”□1971□

[illegible]2[illegible] [illegible]

[illegible]

——[illegible]·[illegible]

[illegible]*The Anatomical History*[illegible]1653[illegible]

[illegible]15[illegible]18[illegible]

[illegible]

[illegible]

——[illegible]1623[illegible]

1

[illegible]13[illegible]500[illegible]500[illegible]500[illegible]500[illegible]500[illegible]“[illegible]”[illegible]

[illegible]“*scuola d’abaco*”[illegible]

[illegible]1585—1589[illegible]1585[illegible]1589[illegible]——

[illegible]……[illegible]……[illegible]

[illegible]

2

[illegible]·[illegible]Ostilio Ricci[illegible]1401—1413[illegible]·[illegible]1494[illegible]Lorenzo the Magnificent[illegible]·[illegible]Antonio Manetti[illegible]15[illegible]80[illegible]23[illegible]

[illegible]12[illegible]0.01[illegible]

[1]

· Ambrogio Lorenzetti 1344 *Annunciation*

[2]

1550

[illegible]20[illegible]1435[illegible]*On Painting*[illegible]1418[illegible]1413[illegible]1425[illegible]1425[illegible]

[illegible]11[illegible]·[illegible]Ibn al-Haytham[illegible]Alhazen[illegible]“[illegible]”[illegible]“[illegible]”[illegible]“[illegible]”[illegible]

[illegible]Giotto[illegible]1266—1337[illegible]“[illegible]”[illegible]“[illegible]”[illegible]*Annunciation of St Anne*[illegible]

[illegible][3][illegible]

[illegible]1402—1404[illegible]

[illegible]“[illegible]”[illegible]1461[illegible]23[illegible]“[illegible]”[illegible]

[illegible]15[illegible]

[illegible]

[illegible] 1/4 [illegible] 1 [illegible] 0.1 [illegible] 4 [illegible] 0.4 [illegible] 1 [illegible] 0.1 [illegible]

[illegible] *cuius ego usum nunc primum adinveni* [illegible] “[illegible]” [illegible] “*primum adinveni*” [illegible] “[illegible]” [illegible] 1435 [illegible] Vignole [illegible] 16 [illegible]

[illegible] “[illegible]” [illegible] “[illegible]” [illegible] “*perspicere*” [illegible] “[illegible]” [illegible]

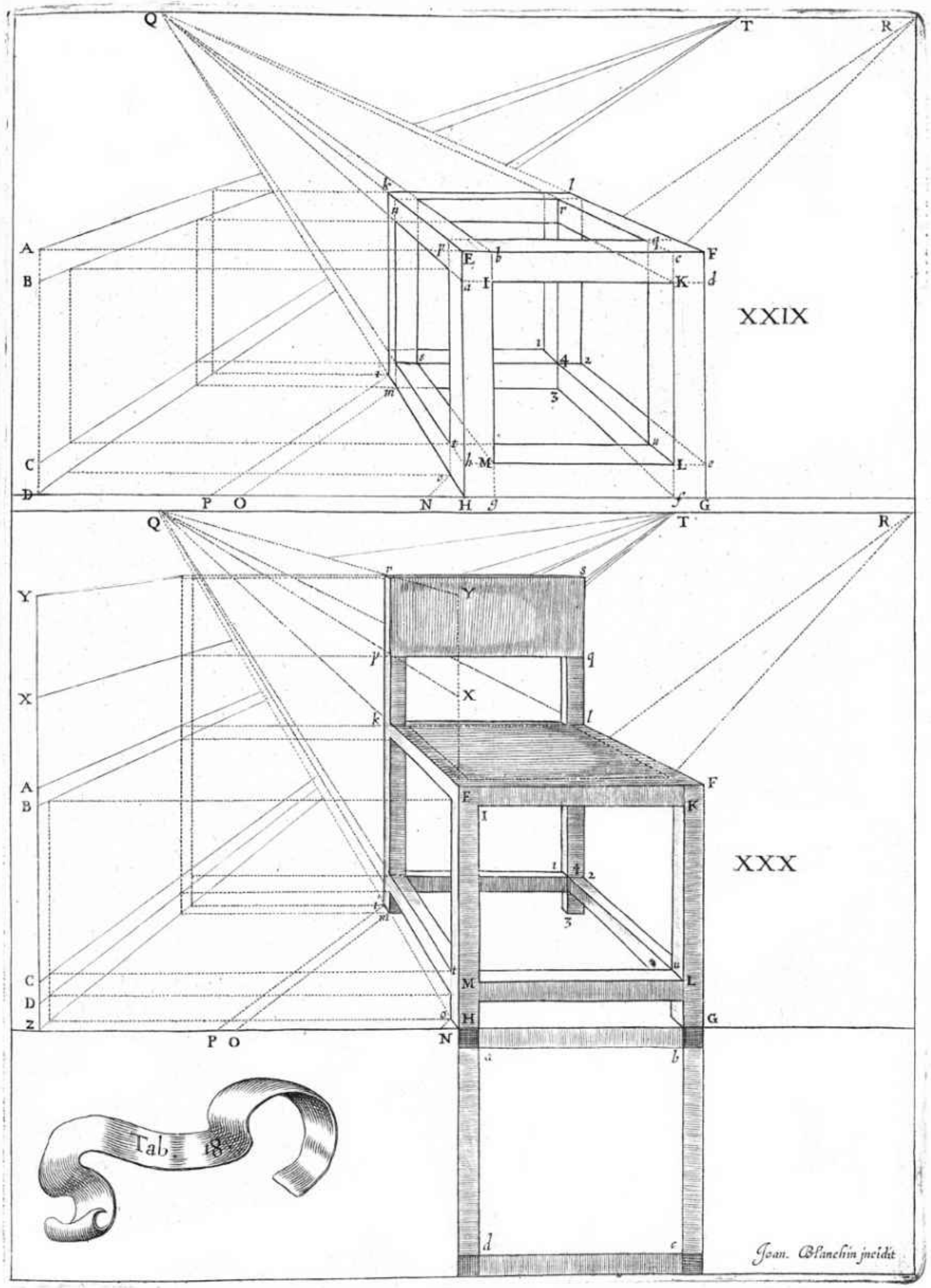
3

20 *The Trinity* 1425 [4]

/

Father Niceron *Curious Perspective* 1652 Holbein *Ambassadors*

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XXIX
XXX
Tab. 18
Joan. Blanchin incidit

[illegible]1652[illegible]

[illegible]·[illegible]Luca Pacioli[illegible]*On Divine Proportion*[illegible]1509[illegible]·[illegible]Ludovico Sforz[illegible]1499[illegible]12[illegible]12[illegible]26[illegible][5][illegible]

[illegible][6][illegible][7]

[illegible]·[illegible]·[illegible]Jacopo de’Barbari[illegible]“Iaco.Bar.Vigennis.P.1495”[illegible]·[illegible]·[illegible]1495[illegible]20[illegible][8][illegible]“P.”[illegible]“*pictum*”[illegible]“*pincit*”[illegible]20[illegible]“Giacomo”[illegible]“Bar”[illegible]Bardi[illegible]Barozzi[illegible]Bartolini[illegible]Bartolozzi[illegible]·[illegible]·[illegible]Guidobaldo da Montefeltro[illegible]“Iaco.Bar.”[illegible]

[illegible]·[illegible]Castiglione[illegible]*Courtier*[illegible]1528[illegible]1507[illegible]

[illegible]·[illegible]·[illegible]Piero della Francesca[illegible]*The Abacus Treatise*[illegible]5[illegible]*The Short Book on the Five Regular Solids*[illegible]*On Perspective for Painting*[illegible]12[illegible]*A Compendium of Arithmetic,Geometry,Proportions and Proportionality*[illegible]1494[illegible]

4

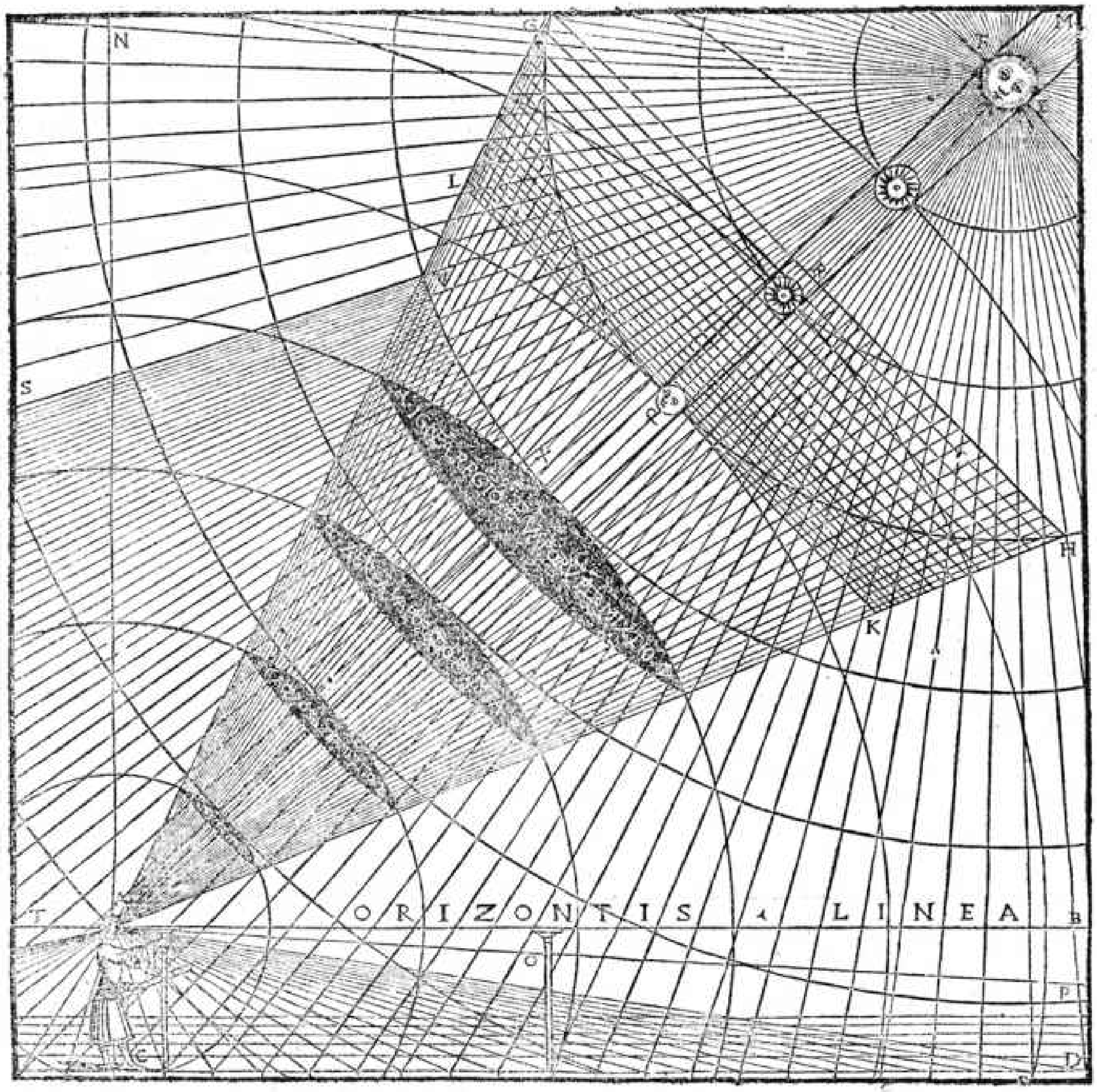
[illegible]1715[illegible]*il punto del centro*[illegible]“[illegible]”[illegible]

[illegible]

“0” “0” 13 10 1 “0” “0”

· Cesare Cesariano T M

Tribute Money



[illegible]*De architectura*[illegible]1521[illegible]·[illegible]

[illegible]*The Song of Songs*[illegible]“[illegible]”[illegible]·[illegible]·

[illegible]*Annunciation*[illegible][9]

[illegible][10][illegible]1480—1484[illegible]·[illegible]Fra Carnevale[illegible]Uccello[illegible]*Hunt by Night*[illegible]

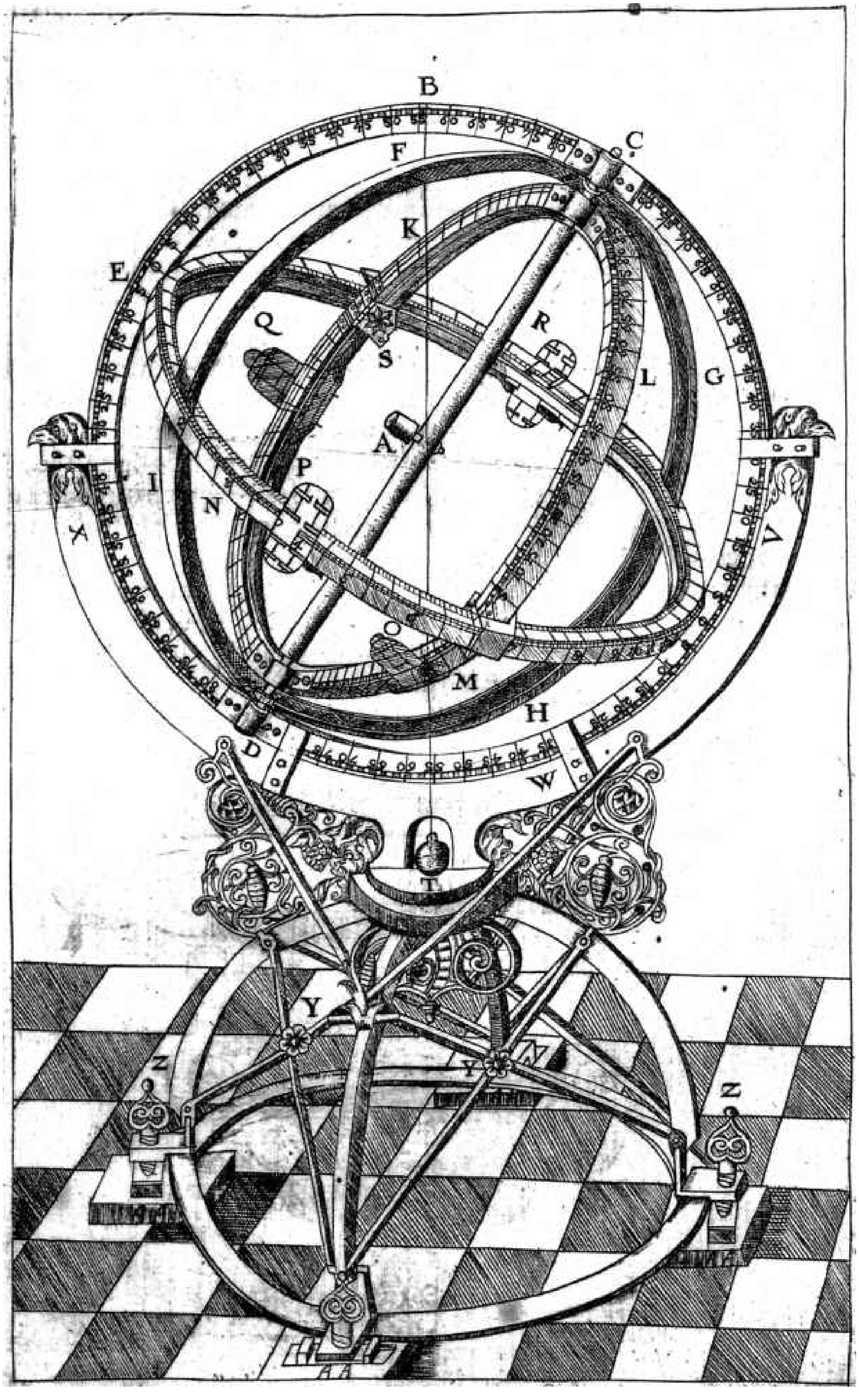
5

[illegible]15[illegible]

[illegible]1560[illegible]·[illegible]·[illegible]1452—1519[illegible]15[illegible]

[illegible]

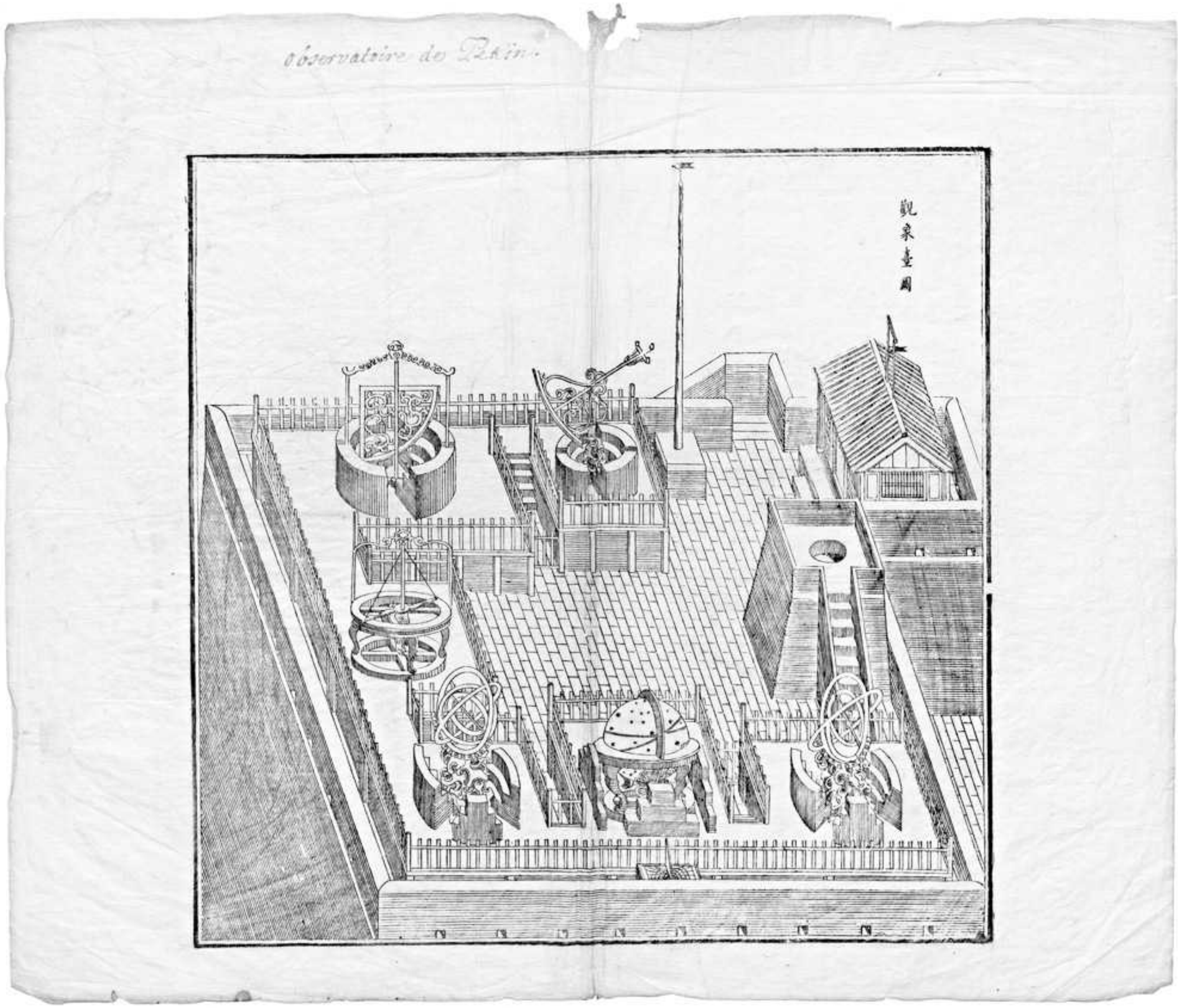
[illegible]d’Alembert[illegible]*Encyclopaedia*[illegible]1751—1772[illegible]
[illegible]
1602[illegible]·[illegible]*Instruments for the Restoration of Astronomy*[illegible]17[illegible]70[illegible]
[illegible]Ferdinand Verbiest[illegible]
[illegible]


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Y
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AA

[illegible]·[illegible]*Astronomiae instauratae mechanica*[illegible]1598[illegible]

[illegible]·[illegible]1543[illegible]

[illegible]·[illegible]·[illegible]Mondino de Liuzzi[illegible]1270—1326[illegible]“[illegible]”[illegible]·[illegible]·[illegible]·[illegible]Jacopo Berengario da Carpi[illegible]*Anatomy*[illegible]1535[illegible]



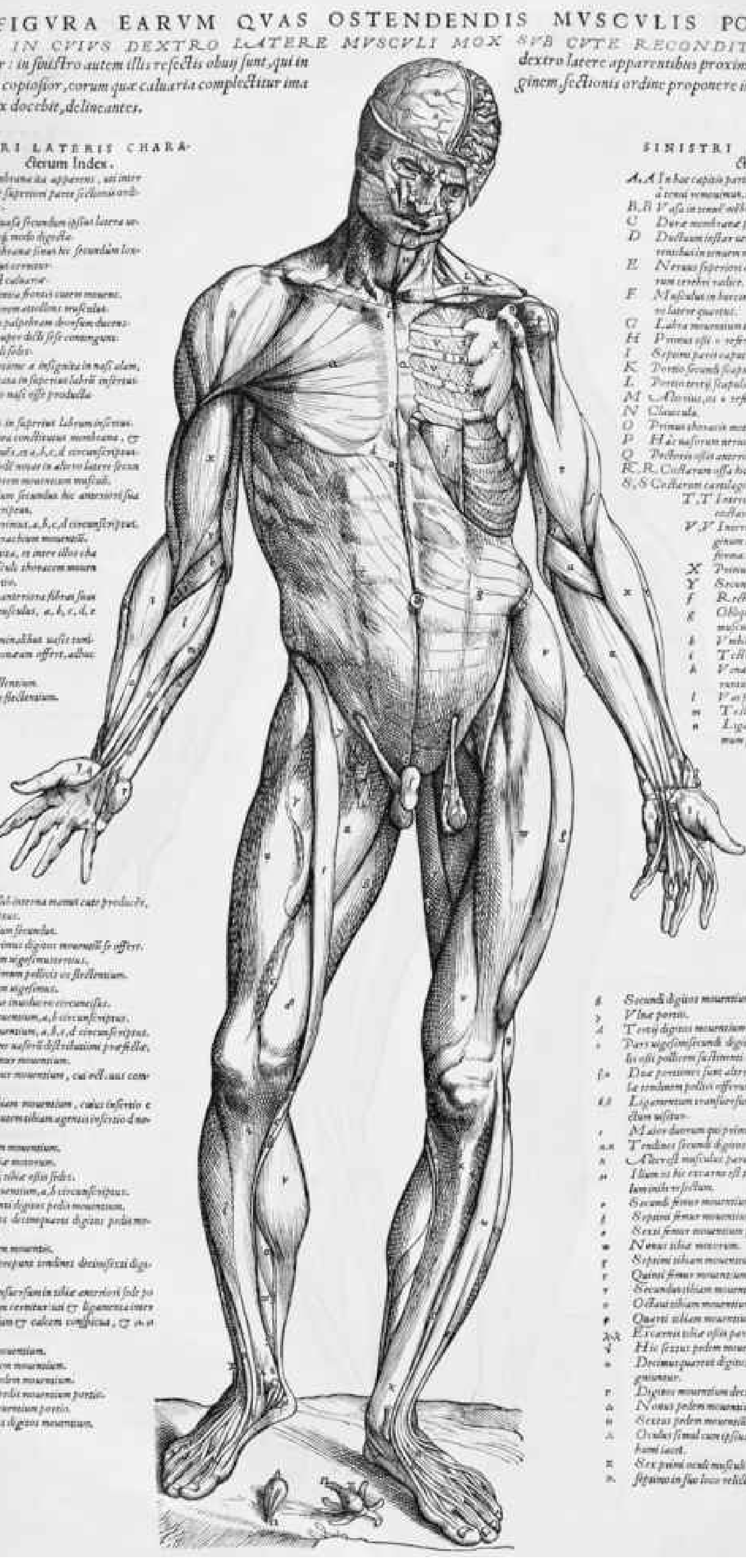
[illegible]*Xinzhi Yixiangtu*[illegible]“pictures of newly made instruments”[illegible]1668—1674[illegible]

[illegible][11]408[illegible]

[illegible]·[illegible]Conrad Gesner[illegible]*Historiae animalium*[illegible]1551—1558[illegible]

[illegible]1543[illegible]1425[illegible]1428[illegible]1450[illegible]1453[illegible][12][illegible]1538[illegible]

PRIMA FIGVRA EARVM QVAS OSTENDENDIS MVSCVLIS POTISSIMVM PARAVIMVS, IN CVIVS DEXTRO LATERE MVSCVLI MOX SVB CVTE RECONDITI, ANTERIORI IN facie conspiciuntur: in sinistro autem illis resectis obuij sunt, qui in dextro latere apparentibus proximè succumbunt. Vt uerò præsens figura redderetur copiosior, eorum quæ caluaria complectitur imaginem, sectionis ordine proponere incepimus, humi oculi musculos, uti characterum index docebit, delineantes.



DEXTRI LATERIS CHARACterum Index.

A, A Dura cerebri membrana ita apparens, uti inter secandum caluariæ superiori parte sectionis ordine ablata, occurrit.
B, B Duræ membranæ uasa secundum ipsius latera [illegible] modo digesta.
C, C Tertius duræ membranæ sinus hic secundum longitudinem [illegible].
D Circulus ille est caluariæ.
E Musculosa substantia frontis cutem mouens.
F Palpebram superiorem attollens musculus.
G Musculus eandem palpebram deorsum ducens.
H Hi duo musculi nuper dicti sese contingunt.
I Temporalis musculi sedes.
K Musculus una portione a insignita in nasi alam, altera uerò b indicata in superius labrū inserta.
L Cartilago ab altero nasi osse producta.
M Dextra nasi ala.
N Musculus à malis in superius labrum insertus.
O Musculus ex carnea constitutus membrana, & labra & buccas mouens, ... [illegible]
P Brachium mouentium secundus hic anteriori sua sede a, b, c circumscriptus.
Q Brachij mouentium primus, a, b, c, d circumscriptus.
R Portio est quarti brachium mouentii.
S, S [illegible]
T [illegible]
V [illegible]
X Prior cubitum flectentium.
Y, Y Posterior cubitum flectentium.
[illegible]

SINISTRI LATERIS CHARACterum Index.

A, A In hac capitis parte sectionis ordine duram cerebri membranam à tenui remouimus, ... [illegible]
B, B Vasa in tenui membrana ex tertio duræ membranæ sinu deprompta.
C Duræ membranæ pars deorsum à tenui reflexa.
D [illegible]
E [illegible]
F [illegible]
[illegible]

OMNIVM

[illegible]1543[illegible]

[illegible]·[illegible]Leonhart Fuchs[illegible]*On the History of Plants*[illegible]1542[illegible]512[illegible]

[illegible]

[illegible]“[illegible]”[illegible]

6

1464[illegible]·[illegible]Johannes Müller[illegible]Regiomontanus[illegible]·[illegible]16[illegible]1464[illegible]*On All Sorts of Triangles*[illegible]Diophantus[illegible]210—[illegible]290[illegible]

[illegible]10[illegible]1482[illegible]1533[illegible]1543[illegible]1570[illegible]

1000

17 20 15 60

1471 · · Levi ben Gerson 1328

1594

[13]

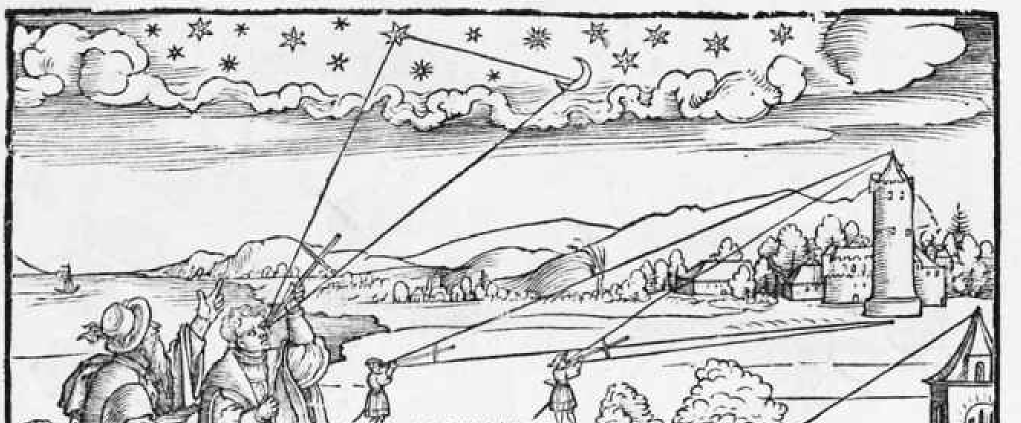
INTRODVCTIO

GEOGRAPHICA PETRI APIANI IN DOCTISSIMAS VER-
neri Annotationes, cõtinens plenum intellectum & iudicium omnis operationis, quæ
per ſinus & chordas in Géographia confici poteſt, adiuncto Radio aſtrono-
mico cum quadrante nouo Meteoroſcopii loco longe vtiliſsimo.

HVIC ACCEDIT Translatio noua primi libri Géographiæ CL. Ptolemæi,
Translationi adiuncta ſunt argumenta & paraphraſes ſingulorꝝ capitum: libellus
quóq; de quatuor terrarum orbis in plano figurationib' Authore Vernero.

LOCVS etiam pulcherrimus deſumptus ex fine ſeptimi libri eiuſdem Géogra-
phiæ Claudii Ptolemæi de plana terrarum orbis deſcriptione iam olim & à veterib'
inſtituta Géographis, vnà cum opuſculo Amirucii Conſtantinopolitani
de iis, quæ Géographiæ debent adeſſe.

ADIVNCTA eſt & epiſtola IOANNIS de Regio monte ad Reuerendiſsi-
mum patrem & Dominum D. Beſſarionem Cardinalem Nicenum, atq; patri
archam Conſtantinopolitanum, de compoſitione & vſu cuiuſdam Meteo-
roſcopii armillaris, Cui recens iam opera PETRI APIANI acceſsit
Torquetum inſtrumentum pulcherrimũ ſanè & vtiliſsimum.



Cum Gratia & Priuilegio
Imperiali.

[illegible]·[illegible]Petrus Apianus[illegible]*Introductio geographica*[illegible]1533[illegible]

[illegible]

[illegible]

[illegible]

[illegible]1/4[illegible]

[illegible]

[illegible]1471[illegible]

[illegible]1471[illegible]1531[illegible]1548[illegible]1472[illegible]6°[illegible]1°[illegible]·[illegible]Eberhard Schleusinger[illegible]16[illegible]16[illegible]1471[illegible]1532[illegible]·[illegible]Johannes Vögelin[illegible]

[illegible]1572[illegible]1000[illegible]16[illegible]/[illegible]·[illegible]

[illegible]·[illegible]·[illegible]Francesco Maurolico[illegible]·[illegible]TadeàšHàjek[illegible]

1572[illegible]1577[illegible]1572[illegible]1577[illegible]“[illegible]”[illegible]

1588[illegible]*Concerning the Recent Phenomena of the Aetherial World*[illegible]1572[illegible]1602[illegible]1577[illegible][14][illegible]

7

[illegible]1572[illegible]

[illegible]1650[illegible]1611[illegible]

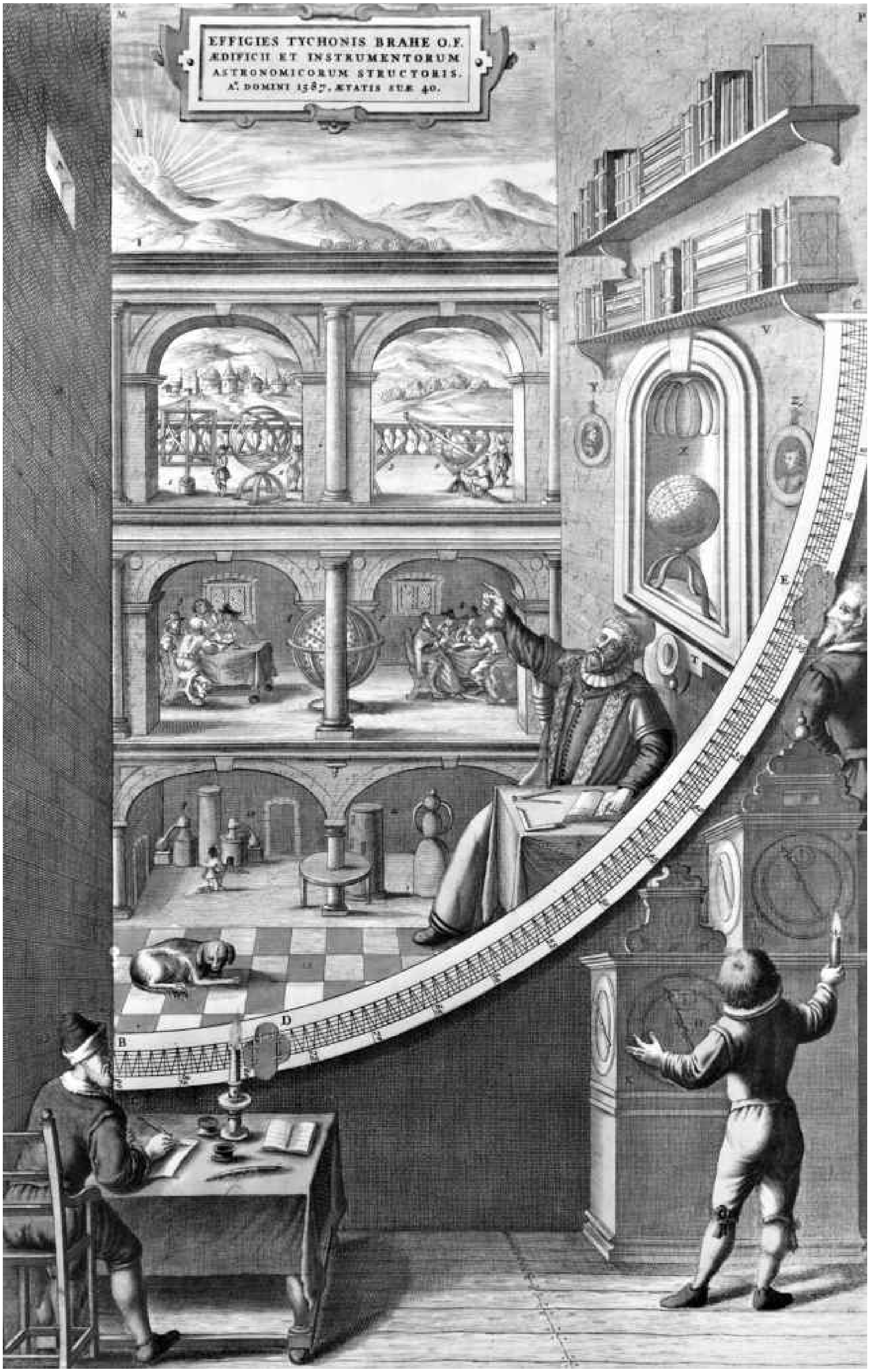
[illegible]100[illegible]17[illegible]

[illegible]1577[illegible]1572[illegible]1577[illegible]

[illegible]

[illegible]1632[illegible]1572[illegible]13[illegible]

[illegible]Bogen[illegible]Woodward[illegible]
[illegible]


EFFIGIES TYCHONIS BRAHE O.F.
ÆDIFICII ET INSTRUMENTORUM
ASTRONOMICORUM STRUCTORIS.
A°. DOMINI 1587, ÆTATIS SUÆ 40.

[illegible]1598[illegible]·[illegible]Hans Knieper[illegible]·[illegible]·[illegible]Hans van Steenwinckel the Elder[illegible]·[illegible]Tobias Gemperle[illegible]1587[illegible]

1610[illegible][15]

[illegible]16[illegible]1531[illegible]1577[illegible]100[illegible]1604[illegible]1618[illegible]1471[illegible]1563[illegible][16][illegible]1564[illegible]

[illegible]1572[illegible]·[illegible]“[illegible]”[illegible]1588[illegible]

“”[17]433

“”

5 1592 1604

1572

On Motion 1592

17

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196

17 15

Elements of Painting

·

1537

[illegible]

[illegible]·[illegible]*Cosmographic Book*[illegible]1524[illegible]

[illegible]·[illegible]Erwin Panofsky[illegible]

[illegible]

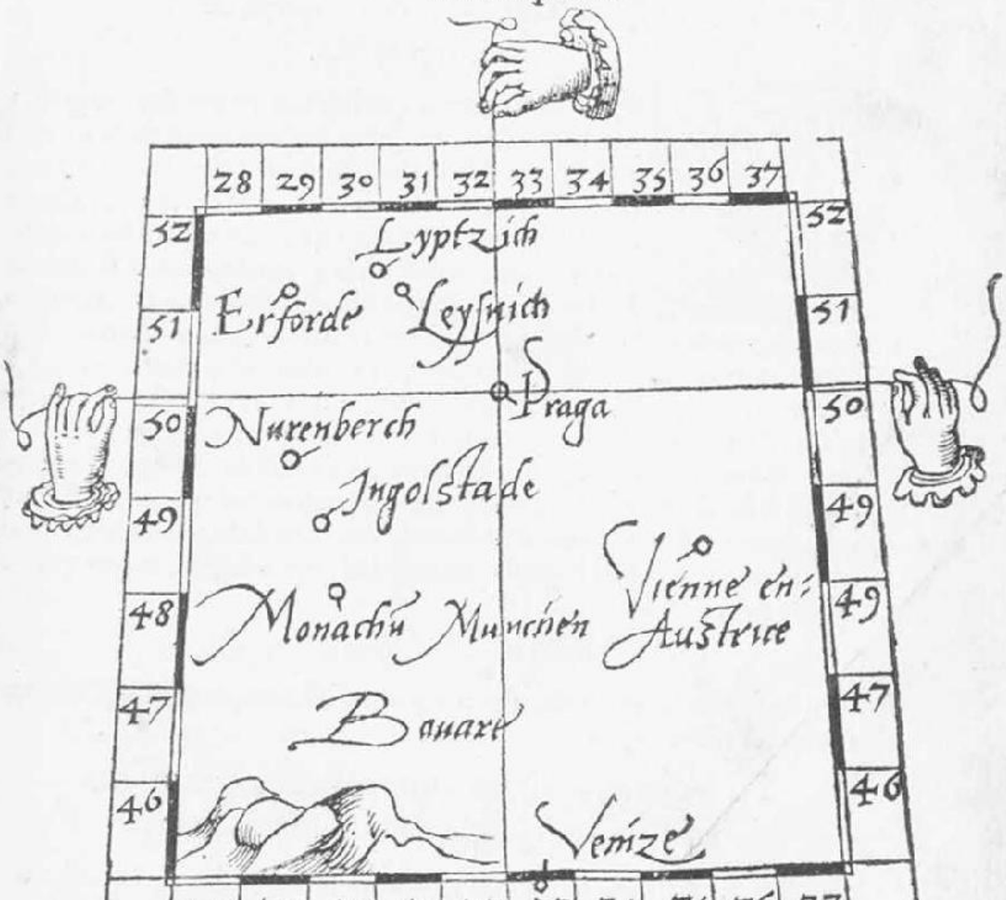
[illegible]15[illegible]“*trace italienne*”[illegible]“[illegible]”[illegible]*Othello*[illegible]Iago[illegible]·[illegible]Michael Cassio[illegible]“[illegible]”[illegible]

Siguese la figura y el vso

della, para entender las tablas de Ptolomeo con algunos nombres de lugares, para exercicio del que comiença estudiar enla Geographia.

Septentrion,o Norte.
Parte superior.

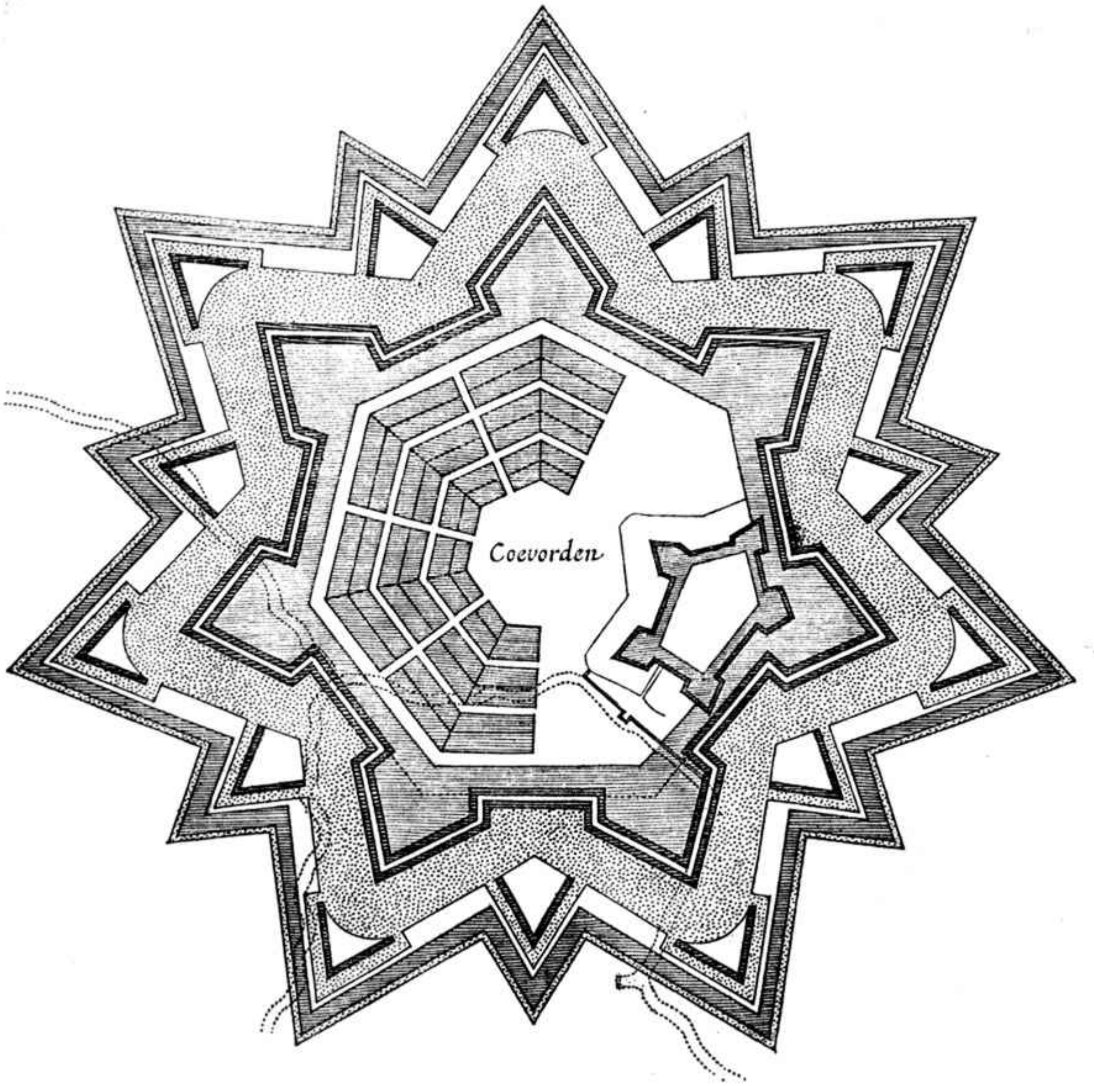
El mano siniestra.



Oriens, o Leuante.
El mano diestra.

Parte inferior.
Su,o Medio dia.

[illegible]·[illegible]*Cosmographicus liber*[illegible]1524[illegible]



[illegible]17[illegible]Maurice of Nassau[illegible]·[illegible]Simon Stevin[illegible]

[illegible]“[illegible]”[illegible]1537[illegible]


PHILOSOPHIA
PLATO
ARISTOTELE
MVSICA
ARITMETICA
NICOLO TARTALEA
GEOMETRIA
EVCLIDE

[illegible]·[illegible]Niccolò Tartaglia[illegible]1537[illegible]

[illegible]1543[illegible]*Diverse Problems and Inventions*[illegible]1546[illegible]1622[illegible]

[illegible]·[illegible]·[illegible]the Cassinis[illegible]“[illegible]”[illegible]“*mathemata mathematicis scribuntur*”[illegible][18]

[illegible]·[illegible]Albrecht Dürer[illegible]1494—1495[illegible]1505—1507[illegible]4[illegible]1525[illegible]1515[illegible]·[illegible]Johann Stabius[illegible]

[illegible]

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[illegible]



[illegible]1515[illegible]1507[illegible]

[illegible]·[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]Matteo Ricci[illegible][19][illegible]1599[illegible]

[illegible]18[illegible]

[illegible]

500

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17 17 15 16 14 15

1630 “ ” · *Elements* 47 “ ” 2 2 4 [20] 1476 1679 · Sextus Empiricus

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[7]□□□·□□□Jacob Soll□ □□□□□□□□□□□□□·□·□□□□□□□□□□□□“□□□□□□□□□□□□□□□□□□□□□□□□”□□□Raphael□□□Soll□The Reckoning□2014□50□□□□□□□□□□

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□□Giovanni Domenico Cassini□□
□□□□□□□□□□□□·□□□□□Daniel Bernoulli□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□Leeuwenhoek□
□□
□□On the
Theory of Coinag□1526□□□·□□
□Leonhard Euler□1707—1783□□□
□□□

[19]□□□□□□□□□□□□□□□□□□□□□□□□□□□□Mignolo□The Darker Side of the
Renaissance□2010□□219—226□□□□□□□□□□□□□“□□□□□□□□□□□□□□□□□□□□□□□□□□□”□□□
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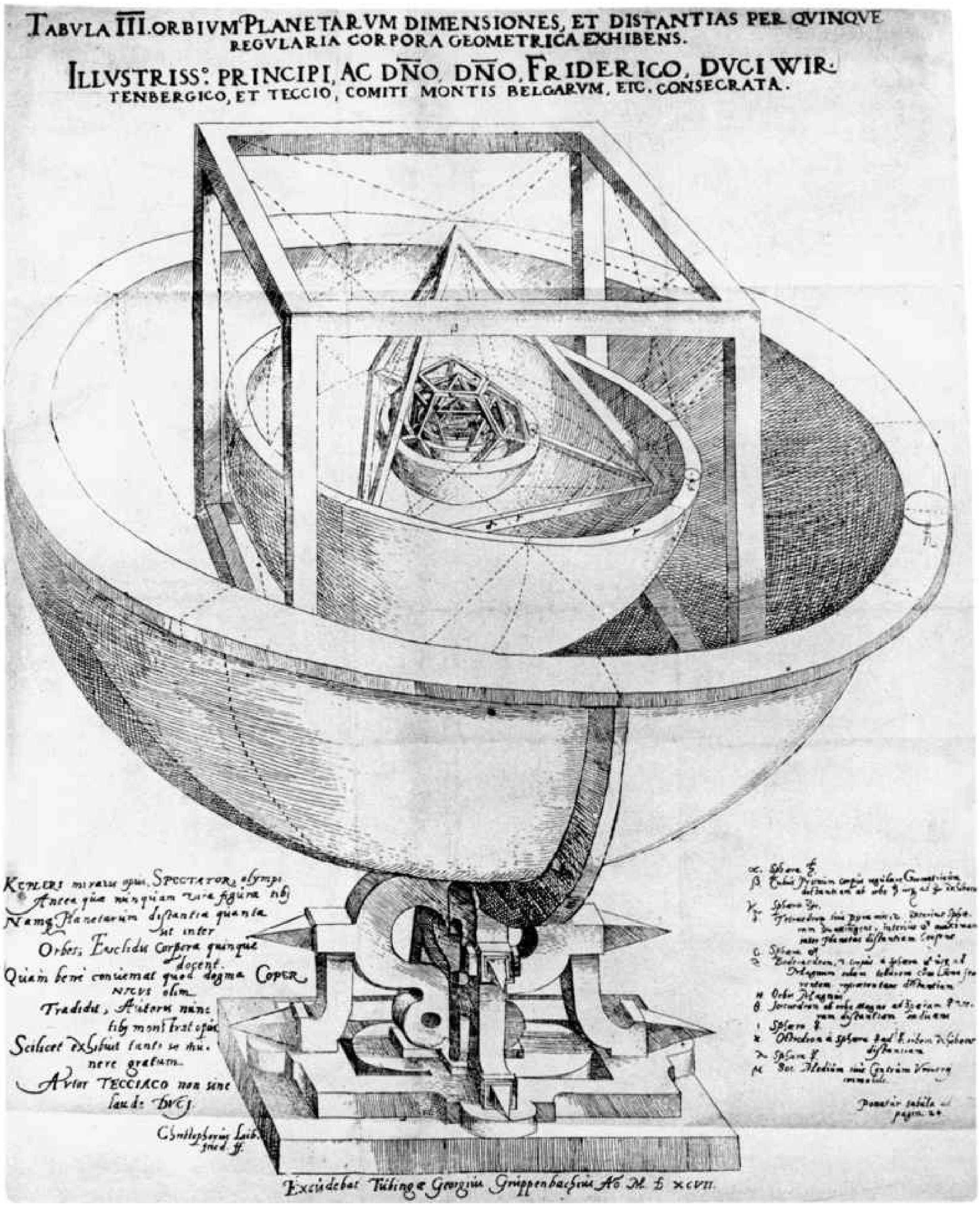
——[illegible]·[illegible]“[illegible]”[illegible]

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1609[illegible]·[illegible]Mathias Wacker[illegible]1831[illegible]1998[illegible]1591[illegible]·[illegible]Walter Raleigh[illegible]·[illegible]

[illegible]*On the Six-cornered Snowflake*[illegible]1611[illegible]“*nix*”[illegible]

*The Cosmographic Mystery*1596


TABVLA III. ORBIVM PLANETARVM DIMENSIONES, ET DISTANTIAS PER QVINQVE
REGVLARIA CORPORA GEOMETRICA EXHIBENS.
ILLVSTRISS. PRINCIPI, AC DNO. DNO. FRIDERICO, DVCI WIR-
TENBERGICO, ET TECCIO, COMITI MONTIS BELGARVM, ETC. CONSECRATA.

[illegible]

[illegible]

[illegible]

[illegible]3[illegible]15[illegible]

[illegible]Cosimo II[illegible]3[illegible]13[illegible]4[illegible]8[illegible][1][illegible]

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[illegible]1608[illegible]·[illegible]Hans Lippershey[illegible]1609[illegible]

[illegible]8[illegible]1610[illegible]30[illegible]

[illegible]“[illegible]”[illegible]1609[illegible]4[illegible]6[illegible]200[illegible]10[illegible]20[illegible]

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[illegible]1625[illegible]“[illegible]”[illegible]The Apiarium[illegible]Urban VIII[illegible]1665[illegible]*Micrographia*[illegible]

[illegible]17
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[illegible]1609[illegible]1609[illegible]1634[illegible]
1604[illegible]

[illegible]

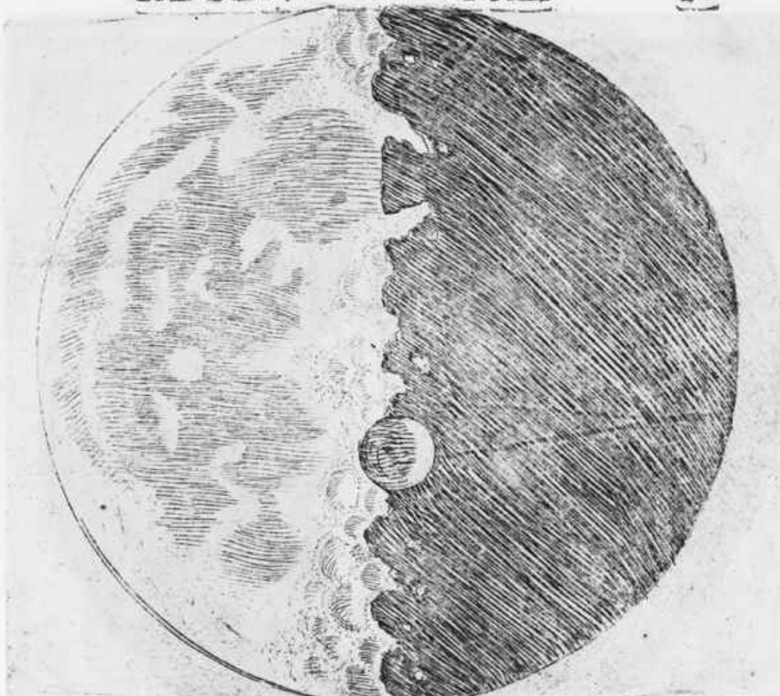
1609[illegible]“[illegible]”[illegible]·[illegible]1624[illegible][3]

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[illegible]1610[illegible]·[illegible]della Porta[illegible]

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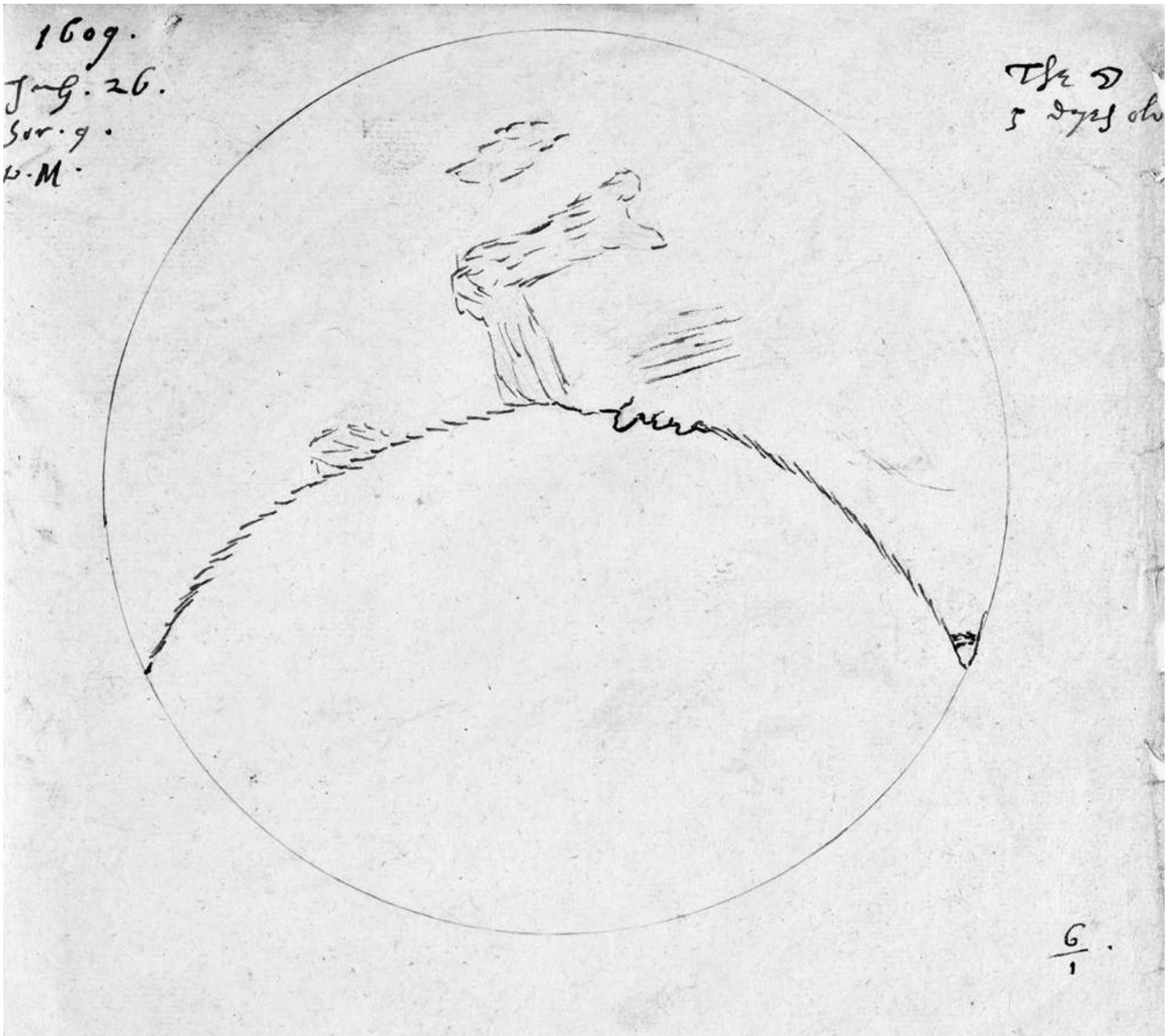


Hæc eadem macula ante ſecundam quadraturam nigrioribus quibuſdam terminis circumuallata conſpicitur; qui tanquam altiſſima montium iuga ex parte Soli auerſa obſcuriores apparent, quà verò Solem reſpiciunt lucidiores extant; cuius oppoſitum in cauitatibus accidit, quarum pars Soli auerſa ſplendens apparet, obſcura verò, ac vmbroſa, quæ ex parte Solis ſita eſt. Imminuta deinde luminoſa ſuperficie, cum primum tota fermè dicta macula tenebris eſt obducta, clariora mõtium dorſa eminenter tenebras ſcandunt. Hanc duplicem apparentiam ſequentes figuræ commoſtrant.

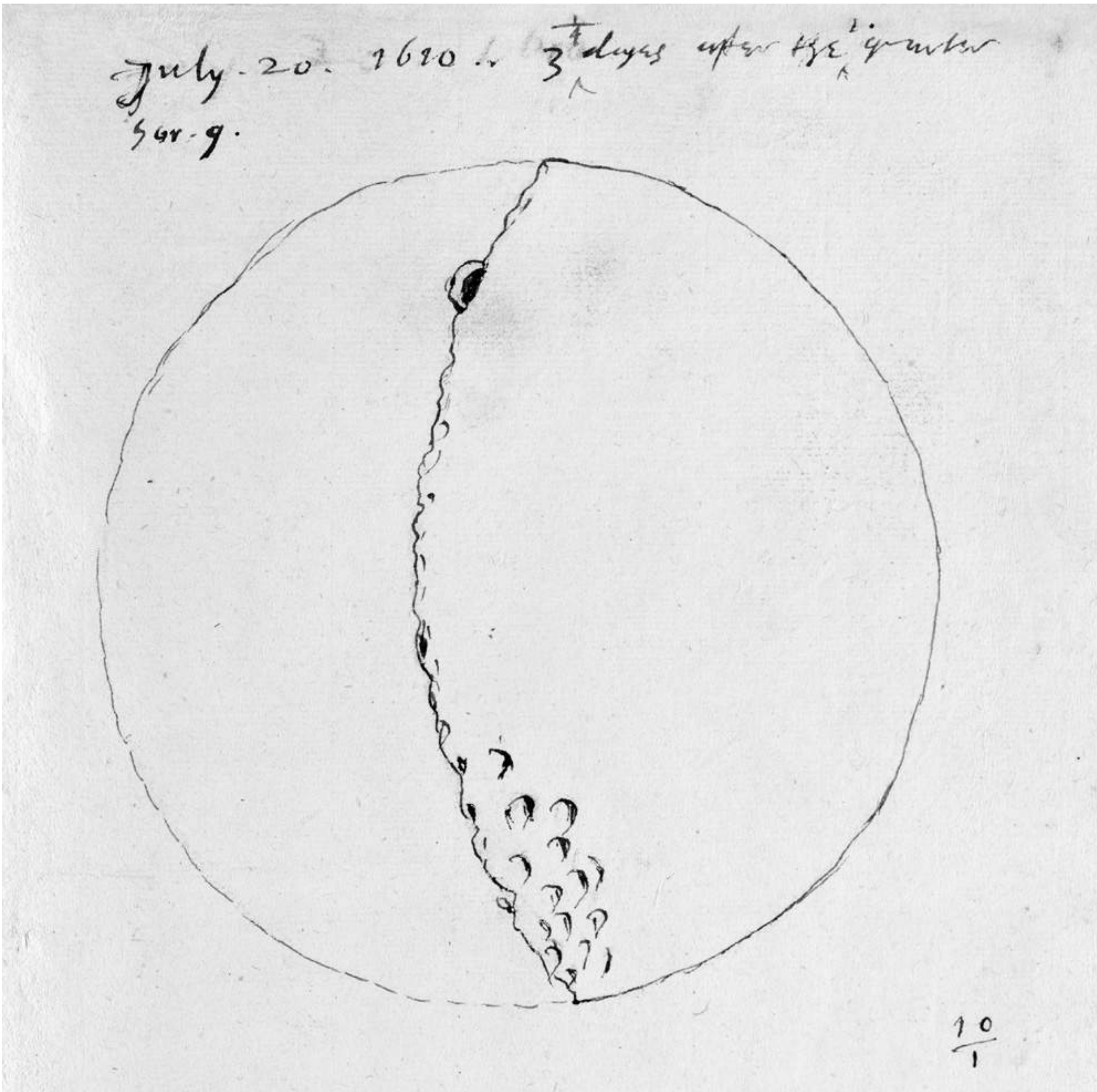
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[illegible]

[illegible]1609—1610[illegible]1610[illegible]



“ ” *Dissertatio cum Nuncio sidereo* 9 5



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[illegible]1611[illegible]4[illegible]

1611[illegible]10[illegible]

[illegible]

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1610[illegible]1651[illegible]*New Almagest*[illegible]1610—1710[illegible]

[illegible]1610[illegible]6[illegible]10[illegible]12[illegible]11[illegible]“[illegible]”[illegible]12[illegible]30[illegible]12[illegible]11[illegible]·[illegible]1611[illegible]1[illegible]1[illegible]*Dioptrice*[illegible]1611[illegible]

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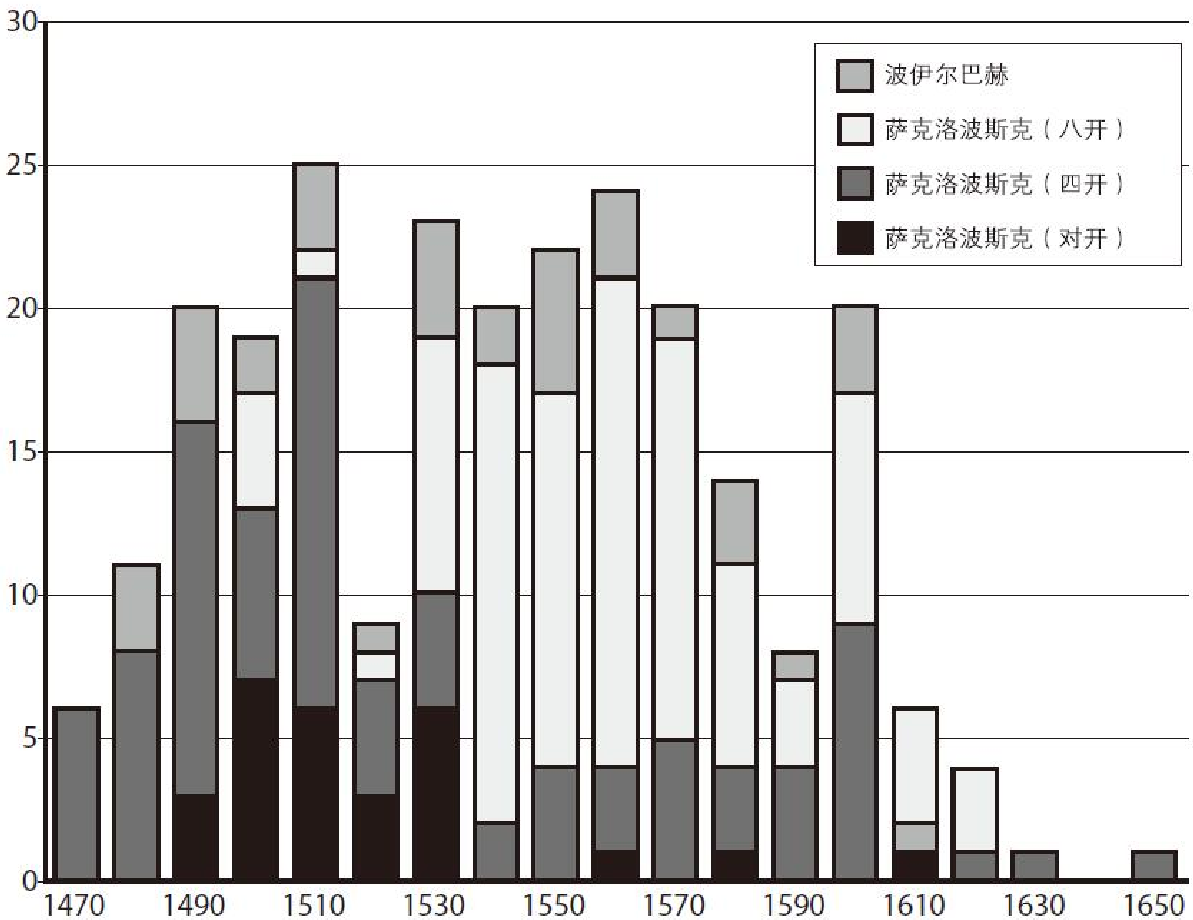
[illegible]·[illegible]1612[illegible]7[illegible]25[illegible]“[illegible]”[illegible]“[illegible]”[illegible]1612[illegible]12[illegible]1[illegible]“[illegible]”[illegible][8]



Dies diei eructat uerbum
Numerus
Mensura
Pondus
Ponderibus librata suis

[illegible]·[illegible]·[illegible]1651[illegible]Astraea[illegible]·[illegible]

[illegible]1610[illegible]*Theoricae novae planetarum*[illegible]1570—1611[illegible]15[illegible]1618[illegible]*Epitome of Copernican Astronomy*[illegible]1618[illegible]18[illegible]



[illegible]·[illegible]·[illegible]1470[illegible]1470—1479[illegible]1543[illegible]1577[illegible]·[illegible]1588[illegible]1600—1609[illegible]·[illegible]Jürgen Hamel[illegible]·[illegible]·[illegible]*Studien zur “Sphaera” des Johannes de Sacrobosco*[illegible]2014[illegible]·[illegible]Owen Gingerich[illegible]

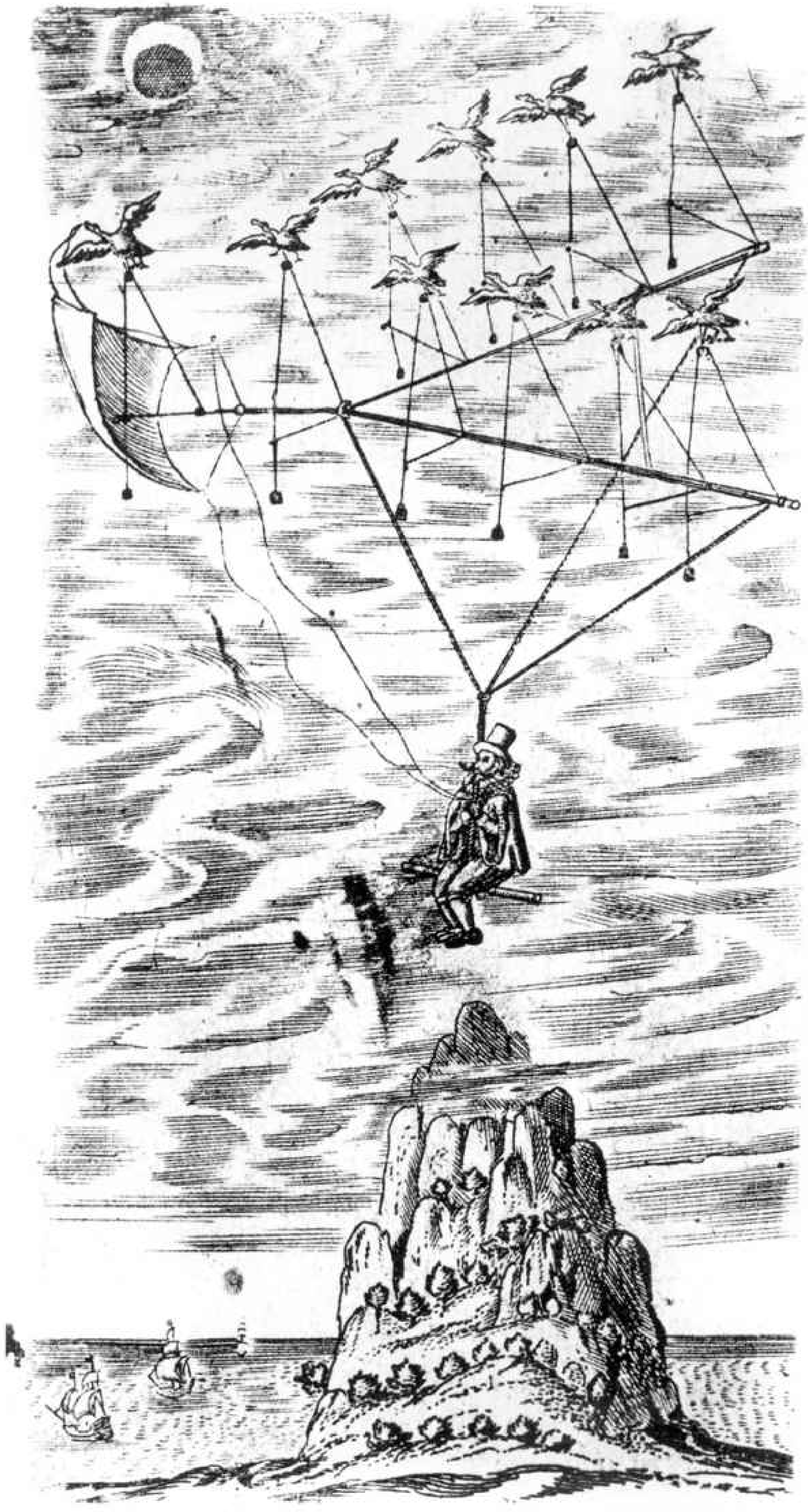
4

[illegible]1611[illegible]

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[illegible]1612—1613[illegible]*The Duchess of Malfi*[illegible]·[illegible]John Webster[illegible]“[illegible]”[illegible]·[illegible]Francis Godwin[illegible]*The Man in the Moone*[illegible]1638[illegible]1628[illegible]·[illegible]*The Discovery of a World in*

the Moon[illegible]1640[illegible]*A Discourse Concerning a New World and Another Planet*[illegible]·[illegible]·[illegible]Cyrano de Bergerac[illegible]*The States and Empires of the Moon*[illegible]1657[illegible]*The States and Empires of the Sun*[illegible]·[illegible]Edmond Rostand[illegible]1921[illegible]19[illegible]



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Saturnus.
Iupiter.
Mars.
Ceres et Proserpina
Venus
Mercurius
Omnibus De.
lucem.
calorem.
motum.
Sua fovent
Vniversu ornant
Mutuo se illuminant
Quid si sic ?
Vtinam et alæ.
Hic ejus oculi.
A Discourse concerning A NEW world & Another Planet In 2 Bookes.
London Printed for Iohn Gelli= brand at the Golden ball in S.t Paul's Church yard 1683.
N. Copernicus.
Galilæus
Keplar

[illegible]·[illegible]1640[illegible]1684[illegible]
[illegible]“[illegible]”

[illegible]·[illegible]Pierre Borel[illegible]*A New Treatise Proving a Multiplicity of Worlds:That the Planets are Regions Inhabited and the Earth a Star*[illegible]1657[illegible]1658[illegible]·[illegible]John Flamsteed[illegible]“[illegible]”[illegible]*Conversations on the Plurality of Worlds*[illegible]1686[illegible]1757[illegible]25[illegible]10[illegible][10]493[illegible]·[illegible]Christiaan Huygens[illegible]*Kosmotheoros*[illegible]1698[illegible]

[illegible]1700[illegible]·[illegible]Richard Bentley[illegible]

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5

[illegible]

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[illegible]1752[illegible]Maupertuis[illegible]1741[illegible]·[illegible]Abraham Trembley[illegible]12[illegible]12[illegible]19[illegible]30[illegible]

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[illegible]

[illegible]

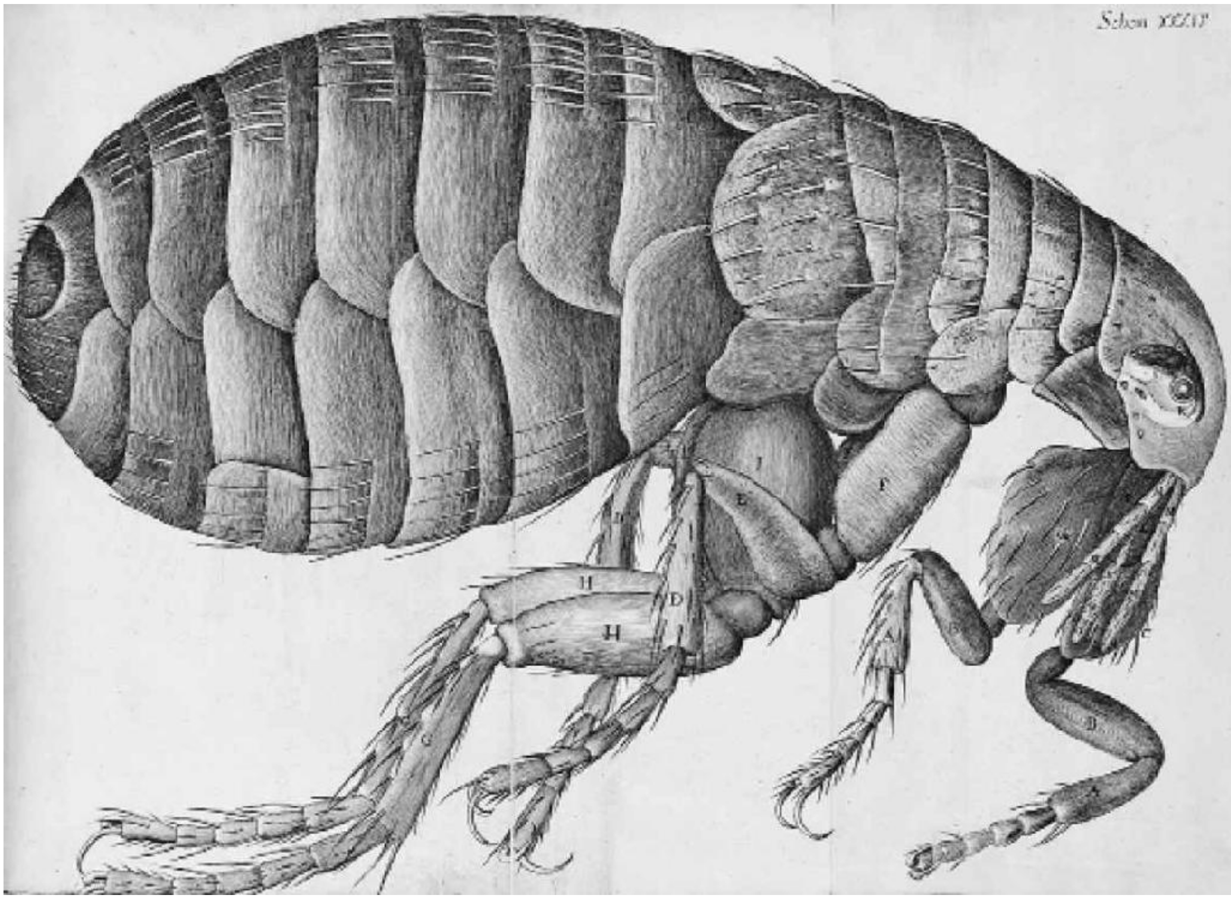
[illegible]

[illegible][13]

[illegible]1662[illegible]1665[illegible]

[illegible]

[illegible]“[illegible]”



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1608

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1608 1611 1643

1660

[illegible]1672[illegible]

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[5][illegible]Swerdlow[illegible]“An Essay on Thomas Kuhn’s First Scientific Revolution” [illegible]2004[illegible]106—111[illegible]

[6][illegible]Paul III[illegible]“[illegible]”[illegible]Barker[illegible]“Copernicus and the Critics of Ptolemy”[illegible]1999[illegible]345[illegible]

[7][illegible]“[illegible]”[illegible]Galilei[illegible]Le Opere[illegible]1890[illegible]Vol. 11[illegible]67[illegible]71[illegible]

[8][illegible]1610[illegible]The Phases of Venus before 1610[illegible]1987[illegible]Ariew[illegible]Ariew[illegible]“The Initial Response to Galileo’s Lunar Observations”[illegible]2001[illegible]3[illegible] Clavius[illegible]Opera mathematica[illegible]1611[illegible]Vol. 3[illegible]75[illegible]Lattis[illegible]Between Copernicus and Galileo[illegible]1994[illegible]198[illegible]·[illegible]“[illegible]“Videre Astronomos, quo pacto constituendi sunt orbes Coelestes, ut haec Phaenomena salvari possint”[illegible]” Wilkins[illegible]A Discourse[illegible]1640[illegible]II[illegible]21[illegible]3[illegible]5[illegible]1612[illegible]2[illegible]·[illegible]8[illegible]

[9][illegible]68[illegible]·[illegible]·[illegible]·[illegible]15[illegible]Gaurico[illegible]Prosdocimus & others[illegible]Spherae tractatus[illegible]1531[illegible]

78rv[illegible]1505[illegible]·[illegible]punctum[illegible]Achillini[illegible]De elementis[illegible]1505[illegible]85r[illegible]Barozzi[illegible]Cosmographia[illegible]1585[illegible]32[illegible]Piccolomini[illegible]De la sfera del mondo[illegible]1540[illegible]10v—11r[illegible]Copernicus[illegible]On the Revolutions[illegible]1978[illegible]13[illegible]Benedetti[illegible]Consideratione[illegible]1579[illegible]29[illegible]Bodin[illegible]Universæ naturæ theatrum[illegible]1596[illegible]581 = Bodin[illegible]Le Théâtre de la nature universelle[illegible]1597[illegible]838[illegible]

[10][illegible]Rawson[illegible]“Discovering the Final Frontier”[illegible]2015[illegible]Fontenelle[illegible]Entretiens sur la pluralité des mondes[illegible]1955[illegible]98—99[illegible]134[illegible]

[11][illegible]The Description of a New World[illegible]1666[illegible]

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——[illegible]·[illegible]Karl Popper[illegible]

[illegible]*Objective Knowledge*[illegible]1972[illegible]

[illegible]17[illegible]

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——[illegible]·[illegible]（Roland Barthes），“[illegible]”

（“The Discourse of History”，1967）

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——[illegible]·[illegible]

（*The Trouble with the Historical Philosophy of Science*，1992）

1

[illegible]“[illegible]”[illegible]1608[illegible]

1621 “ *On the Heavens* ” 1700 “ ”

“ 8a” “ ” “ ” “ ” “*res*” “*resipsa loquitur*” “ ” *Tractatus* “ ” [1] [2]

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1503 [illegible] 1505 [illegible]

[illegible]“[illegible]”[illegible]“*res*”[illegible]“[illegible]”[illegible]*American College Dictionary*[illegible]“[illegible]”[illegible]“[illegible]”[illegible]

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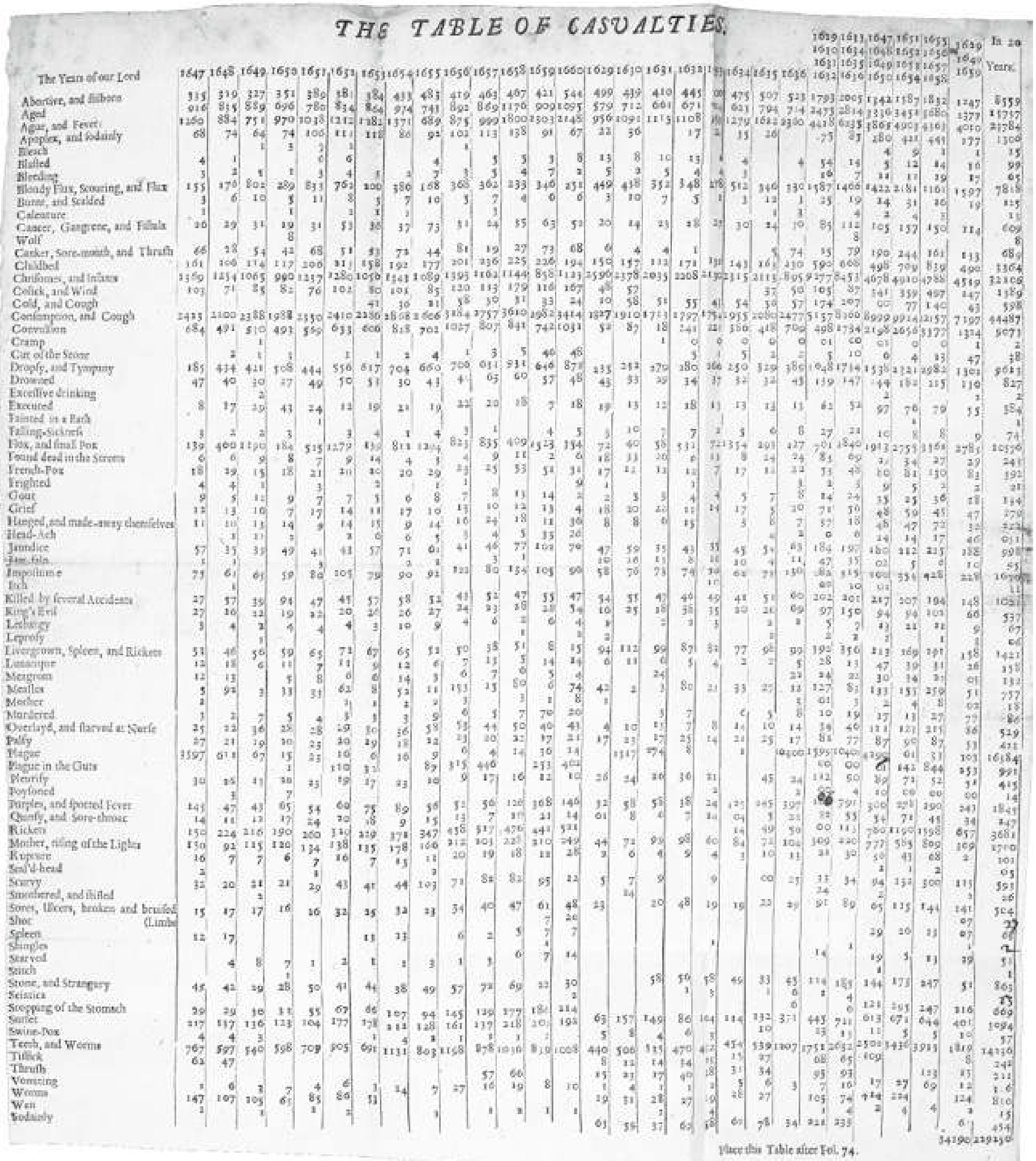
[illegible]1662[illegible]·[illegible]·[illegible]William Petty[illegible]1696[illegible]17[illegible]

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[illegible]“[illegible]”[illegible]1604[illegible]2[illegible]19[illegible]·[illegible]

[illegible]·[illegible]1°[illegible]10′[illegible]1′[illegible]1°[illegible]1/60[illegible]1°[illegible]10′[illegible]10′[illegible]·[illegible]1′[illegible]



Natural and Political Observations 1662 46 70

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JOANNIS KEPPLERI

Sac. Cæs. Majest. Mathematici

DE

STELLA NOVA

IN PEDE SERPENTARII, ET

QUI SUB EJUS EXORTUM DE

NOVO INIIT,

TRIGONO IGNEO.

LIBELLUS ASTRONOMICIS, PHYSICIS, METAphysicis, Meteorologicis & Astrologicis Disputationibus, ἐνδόξοις & παραδόξοις plenus.

ACCESSERUNT

I. DE STELLA INCOGNITA CYGNI: Narratio Astronomica.

II. DE JESV CHRISTI SERVATORIS VERO Anno Natalitio, consideratio novissimæ sententiæ LAVRENTII SVSLYGÆ Poloni, quatuor annos in usitata Epocha desiderantis.

Cum Privilegio S. C. Majest. ad annos XV.



PRAGAE

Typis PAULI SESSII, impensis AUTHORIS.

ANNO M. DCVI.

[illegible]2′[illegible]

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[illegible]“[illegible]”[illegible]“[illegible]”

[illegible]·[illegible]“[illegible]”[illegible]19[illegible]*wie es eigentlich gewesen*[illegible]“[illegible]”[illegible]Ranke[illegible]17[illegible]1609[illegible]

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[illegible]1604[illegible]2[illegible]19[illegible]“[illegible]”[illegible]


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[illegible]·[illegible][8][illegible]“[illegible]”[illegible]·[illegible]

[illegible]·[illegible]16[illegible]80[illegible]

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[illegible]·[illegible]·[illegible]Giovanni Vincenzo Pinelli[illegible]

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[illegible]R.M.[illegible]R.M.Paulus[illegible]

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[illegible]“[illegible]”[illegible]·[illegible]·[illegible]·[illegible]Bernardo Cesi[illegible]1636[illegible]*Mineralogia*[illegible]·[illegible]·[illegible]“[illegible]”。

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Severo Sernesi[illegible]……[illegible]”[illegible]“20[illegible]……”[illegible]·[illegible]1646[illegible]/[illegible]“[illegible]”[illegible]“[illegible]”[illegible]1671[illegible]·[illegible]Jacques Rohault[illegible]“[illegible]1000[illegible]”

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[illegible]·[illegible]Baptista Porta[illegible]

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[illegible]“[illegible]”（“The Braggart”）[illegible]“[illegible]”[illegible]*hic Rhodus,hic saltus*[illegible][10][illegible]·[illegible]George Starke[illegible]“*hic Rhodus,hic saltus*[illegible]”

[illegible]·[illegible]1661[illegible]1669[illegible]·[illegible]

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[illegible]“[illegible]”[illegible]

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Reflections upon Ancient and Modern Learning（1694）William Wotton

“*Nullius in verba*” [12]

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[illegible]“*factum*”[illegible]“fact”[illegible]“*factum*”[illegible]1626[illegible]“[illegible]”[illegible]1755[illegible]*Dictionary*[illegible]1651[illegible]·[illegible]Noah Biggs[illegible]“[illegible]”[illegible]“[illegible]”[illegible]

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“fact”[illegible]“*factum*”[illegible]1620[illegible]

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[illegible][18][illegible]1654[illegible]*Of Libertie and Necessitie*[illegible]

[illegible]1658[illegible]“fact”[illegible]“[illegible]”[illegible]*The Modern States-Man*[illegible]1653[illegible]G.W.[illegible]G.W.[illegible]·[illegible]·[illegible]·[illegible]·[illegible]·[illegible]“*factum*”[illegible]“[illegible]”[illegible]·[illegible]“fact”[illegible]

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1662[illegible]*The Logic of Port-Royal*[illegible]1660[illegible]·[illegible]Antoine Arnauld[illegible]“[illegible]”[illegible]

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[illegible]“[illegible]”[illegible]1658[illegible]1658[illegible]·[illegible]

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[illegible]*Mystery of Jesuitisme*[illegible]1657[illegible]*Late Discourse*[illegible]1658[illegible]“fact”[illegible]100[illegible]29[illegible]1658[illegible]1663[illegible]18[illegible]70[illegible]17[illegible]60[illegible]

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[illegible]“[illegible]”[illegible]“[illegible]”[illegible]17[illegible]60[illegible]*The Vanity of Dogmatizing*[illegible]1661[illegible]·[illegible]“[illegible]”[illegible]“[illegible]”[illegible]·[illegible]“[illegible]”[illegible]“[illegible]”[illegible]“[illegible]”[illegible]“[illegible]”[illegible]18[illegible]

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“[illegible]”[illegible]1661[illegible]Marquis of Dorchester[illegible]·[illegible]Thomas Salusbury[illegible]*Mathematical Collections and Translations*[illegible]“[illegible]”[illegible]·[illegible]“[illegible]”[illegible]

[illegible]1654[illegible]—[illegible]—[illegible]*Physiologia Epicuro-Gassendo-Charletoniana*[illegible]·[illegible]·[illegible]Henry Oldenburg[illegible][22]

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[illegible] Lorraine Daston [illegible]

[illegible] 1626 [illegible] Isaac Beeckman [illegible]

ce commencement d’étrangeté

“[23]

“*provando e riprovando*”

Reports of the Society for Experiments

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Carpenter[illegible]*Philosophia libera*[illegible]1651[illegible]“[illegible]”[illegible]“*inter nullos magis quam inter PHILOSOPHOS esse debet aequa LIBERTAS*”[illegible]17[illegible]“[illegible]”[illegible]18[illegible]“[illegible]”[illegible]

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“[illegible]”[illegible]18[illegible]

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[illegible]·[illegible]Laurent Joubert[illegible]*Popular Errors*[illegible]1578[illegible]6[illegible]10[illegible]·[illegible]Girolamo Mercurii[illegible]*Ofthe Popular Errors of Italy*[illegible]1603[illegible]1645[illegible]1658[illegible]·[illegible]James Primerose[illegible]*Errors of the Crowd*[illegible]1638[illegible]7[illegible]·[illegible]1646[illegible]5[illegible]·[illegible]Pierre Bayle[illegible]*Critical Dictionary*[illegible]1696[illegible]15[illegible]8[illegible]

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TABULÆ RUDOLPHI ASTRONOMICÆ
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[illegible]G.W.[illegible]·[illegible]Nathaniel Culverwell[illegible]*An Elegant and Learned Discourse of the Light of Nature*[illegible]“[illegible]”[illegible]=[illegible]=[illegible]G.W.[illegible]G.W.[illegible]“[illegible]”[illegible]“[illegible]”[illegible]G.W.[illegible]“[illegible]”[illegible]

[illegible]G.W.[illegible]G.W.[illegible]50[illegible]“[illegible]”[illegible]1694[illegible]·[illegible]“[illegible]”1717[illegible]*A Course of Experimental Philosophy*[illegible]·[illegible]·[illegible]John Theophilus

Desaguliers[illegible]“[illegible]”1721[illegible]Marsigli[illegible]“[illegible]”[illegible]18[illegible]“[illegible]”[illegible]

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[2]“[illegible]”[illegible]“[illegible]”Bacon[illegible]Sylva sylvarum [illegible]1627[illegible]AIr[illegible]74[illegible]

[3][illegible]·[illegible]·[illegible]“un fait est fait”[illegible]Latour[illegible]“The Force and the Reason of Experiment”[illegible]1990[illegible]63[illegible]·[illegible]·[illegible]Shapin[illegible]“A View of Scientific Thought”[illegible]1980[illegible]·[illegible]“[illegible]”[illegible]Bourdieu[illegible]Science of Science[illegible]2004[illegible]26—27[illegible]

[4][illegible]·[illegible]Jonathan Goldberg[illegible]“[illegible]……[illegible]”[illegible]Goldberg[illegible]“Speculations: Macbeth and Source”[illegible]1987[illegible]244[illegible]1[illegible]0.39[illegible]

[5][illegible]234[illegible]

[6][illegible]·[illegible]Stephen Orgel[illegible]·[illegible]Helkiah Crooke[illegible]Microcosmographia[illegible]1615[illegible]·[illegible]Janet

Adelman[illegible]“[illegible]”[illegible]“[illegible]”[illegible]“[illegible]”[illegible]Orgel[illegible]Impersonations[illegible]1996[illegible]21—24[illegible]Adelman[illegible]“Making Defect Perfection”[illegible]1999[illegible]36—39 and n. 29[illegible]

[7]“[illegible]Macrobius[illegible]……[illegible]”Della Porta[illegible]Natural Magick [illegible]1658[illegible]7—8[illegible]

[8][illegible]·[illegible]

[9][illegible]Passannante[illegible]The Lucretian Renaissance[illegible]2011[illegible]1—2[illegible]Glanvil[illegible]The Vanity of Dogmatizing[illegible]1661[illegible]202—204[illegible]

[10][illegible]·[illegible]Eighteenth Brumaire[illegible]“Hic Rhodus, hic salta”[illegible]http://berlin.wolf.ox.ac.uk/lists/quotations/quotations_by_ib.html [illegible] accessed 22 Dec. 2014[illegible]

[11][illegible]“[illegible]……[illegible]‘[illegible]’”[illegible]Deutscher[illegible]Through the Language Glass[illegible]2010[illegible]153[illegible]

[12][illegible]Epistles[illegible]i[illegible]14—15[illegible]

Nullius addictus iurare in verba magistri,
quo me cumque rapit tempestas, deferor hospes.
“[illegible]”

[13][illegible]“fiction”[illegible]“fact”[illegible]16[illegible]90[illegible]“fiction”[illegible]

[14][illegible]“[illegible]”[illegible]Montaigne[illegible]Essayes[illegible]1613[illegible]456[illegible]“[illegible]Alexander[illegible]”[illegible]582[illegible]“[illegible]”[illegible]605[illegible]“Je vois ordinairement que les hommes, aux faicts qu’on leur propose, s’amusent plus volontiers à en chercher la raison qu’à en chercher la verité”[illegible]“[illegible]”[illegible]578[illegible]“joinct qu’à la verité il est un peu rude et

querelеux de nier tout sec une proposition de faict”[illegible]“[illegible]”[illegible]579[illegible]

[15][illegible]“human”[illegible]“humane”[illegible]17[illegible]“humane”[illegible]“human”[illegible]

[16]“[illegible]……[illegible]”[illegible]Hobbes[illegible]Humane Nature[illegible]1650[illegible]37—38[illegible]“[illegible]……[illegible]……[illegible]”[illegible]60—61[illegible]64—65[illegible]

[17]“[illegible]de facto”[illegible]Prolegomena to Helmont & Charleton[illegible]A Ternary of Paradoxes[illegible]1649[illegible]c2v[illegible]“[illegible]Hoti[illegible]”[illegible]d1r[illegible]98[illegible]

[18]“[illegible]”Hobbes[illegible]Leviathan[illegible]1651[illegible]40[illegible]

[19][illegible]Arnauld & Nicole[illegible]Response au P. Annat[illegible]1654[illegible]AvantPropos[illegible]“Or tout le monde demeure d’accord[illegible]que les Papes sont point garands de la verité des faits qu’on leur propose[illegible]et qu’ils rapportent en suitte dans l’expositif de leurs Rescrits et de leurs Constitutions . . .”In Arnauld[illegible]Première lettre apologétique de Monsieur Arnauld Docteur de Sorbonne[illegible]À un évêque[illegible]1656[illegible]12[illegible]“un point purement de fait[illegible]& dont les yeux sont juges”[illegible]

[20]Pascal[illegible]Les Provinciales[illegible]1657[illegible]48—49[illegible]4th letter[illegible]“Ce n’est pas icy un point de foy, ny mesme de raisonnement. C’est une chose de fait. Nous le voyons, nous le sçavons, nous le sentons.”

[21][illegible]Shapin & Schaffer[illegible]Leviathan and the Air-pump[illegible]1985[illegible]24[illegible]“[illegible]”[illegible]22[illegible]15[illegible]22[illegible]

[22][illegible]1663[illegible]Wilding[illegible]“The Return of Thomas Salusbury’s Life of Galileo[illegible]1664[illegible]”[illegible]2008[illegible]260[illegible]

[23][illegible]Malcolm[illegible]“Hobbes and Roberval”[illegible]2002[illegible]187—196[illegible]

[24][illegible]198[illegible]

[25]Eisenstein[illegible]The Printing Press as an Agent of Change [illegible]1979[illegible]Vol. 1[illegible]88—107[illegible] Ong[illegible] Orality and Literacy [illegible]1982[illegible]121—123[illegible]·[illegible] Wotton[illegible] Reflections upon Ancient and Modern Learning [illegible]1694[illegible]171—172[illegible] Wolper[illegible]“The Rhetoric of Gunpowder”[illegible]1970[illegible]593[illegible]“[illegible]”[illegible] Blair[illegible]“Annotating and Indexing Natural Philosophy”[illegible]2000[illegible]76[illegible] Smith[illegible]“Printed Foliation”[illegible]1988[illegible] 1521[illegible]

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1648[illegible]9[illegible]19[illegible]—[illegible]·[illegible]·[illegible]Florin Périer[illegible][1]674[illegible]26[illegible]66[illegible]3000[illegible]914.4[illegible]“barometer”[illegible]1666[illegible]“baroscope”[illegible]3[illegible]7.62[illegible]Mosnier[illegible]1[illegible]2.54[illegible]1/5[illegible]1662[illegible]“*experimentum crucis*”[illegible]

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“proof”[illegible]“the proof of the pudding”[illegible]“alcohol being 40 proof”[illegible]40°[illegible]“proving a gun”[illegible]“proof”[illegible]“probe”“probability”[illegible]*probo*[illegible]*probatio*[illegible]*probar*[illegible]*provare*[illegible]*probieren*[illegible]*prouver*[illegible]*éprouve*[illegible]“[illegible]”[illegible]*prouver*[illegible]“[illegible]”[illegible]“proof”[illegible]“evidence”[illegible]proof[illegible]circumstantial evidence[illegible]

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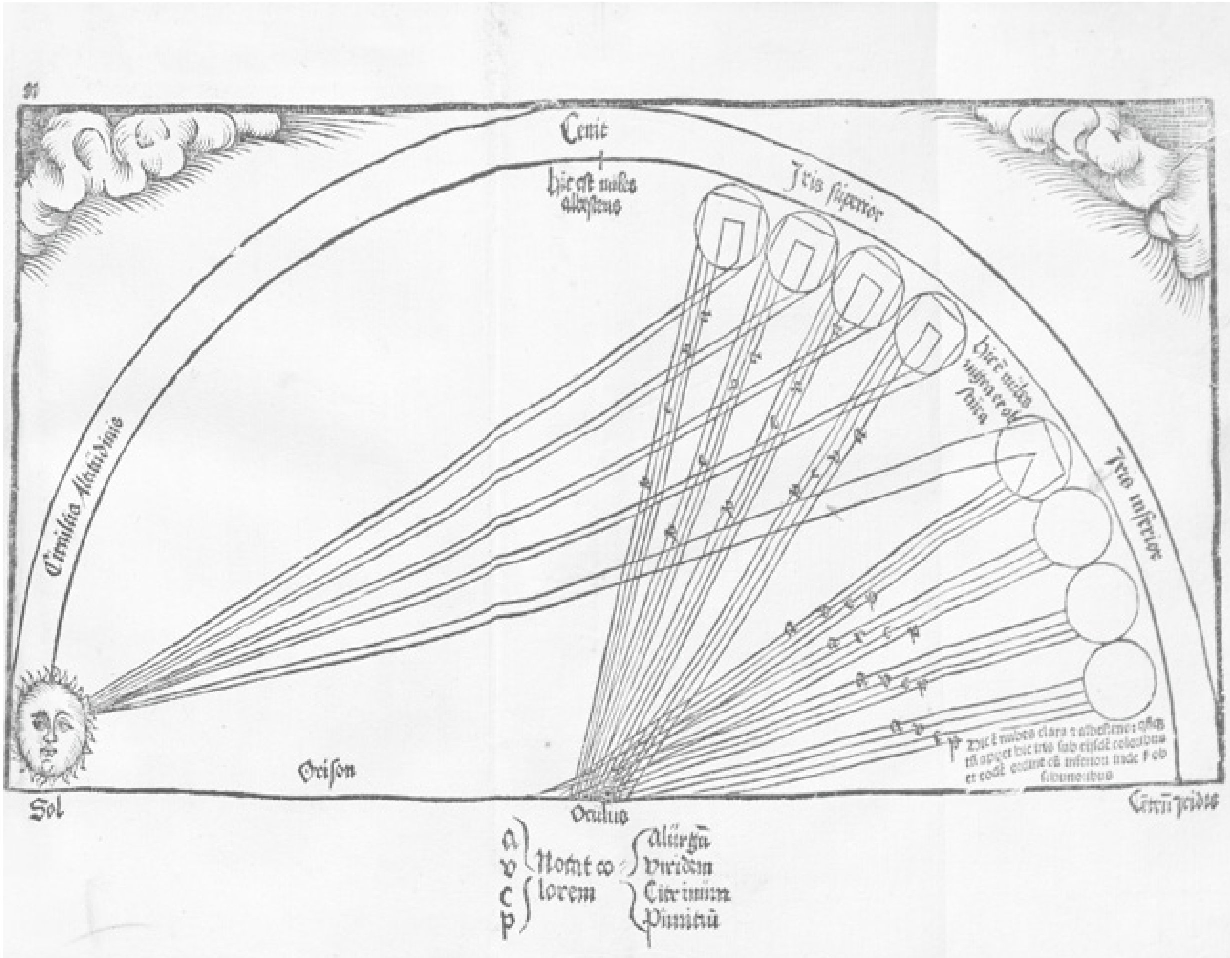
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[illegible]（Theodoric of Freiberg，约1250—约1310）[illegible][10][illegible]·[illegible]（Kamal al-Din al-Farisi）[illegible]·[illegible]

[illegible]1514[illegible]1517[illegible]19[illegible]

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[illegible]·[illegible]·[illegible]Pierre de Maricourt[illegible]*Letter on the Magnet*[illegible]1269[illegible]39[illegible]1558[illegible]·[illegible]·[illegible]·[illegible]

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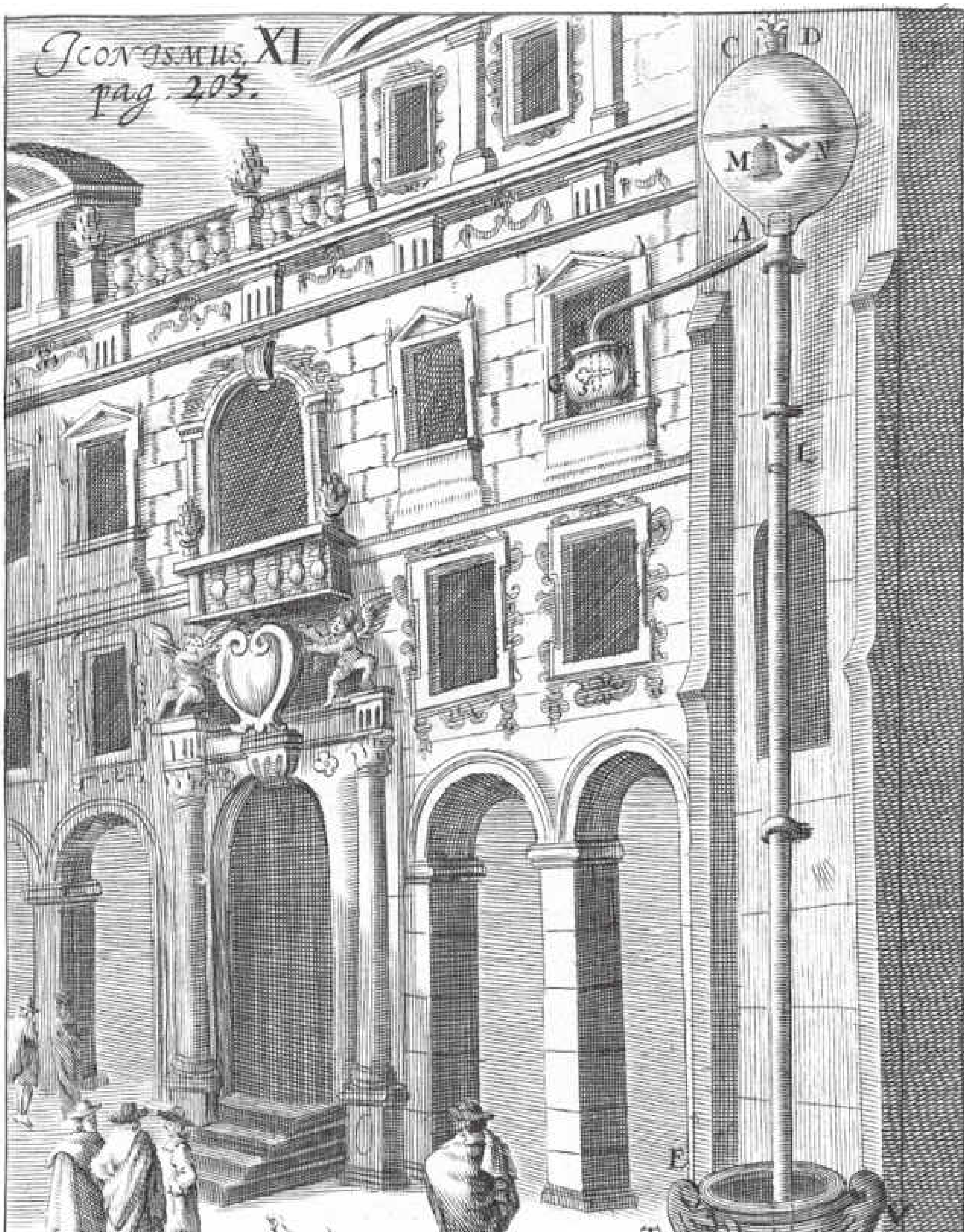
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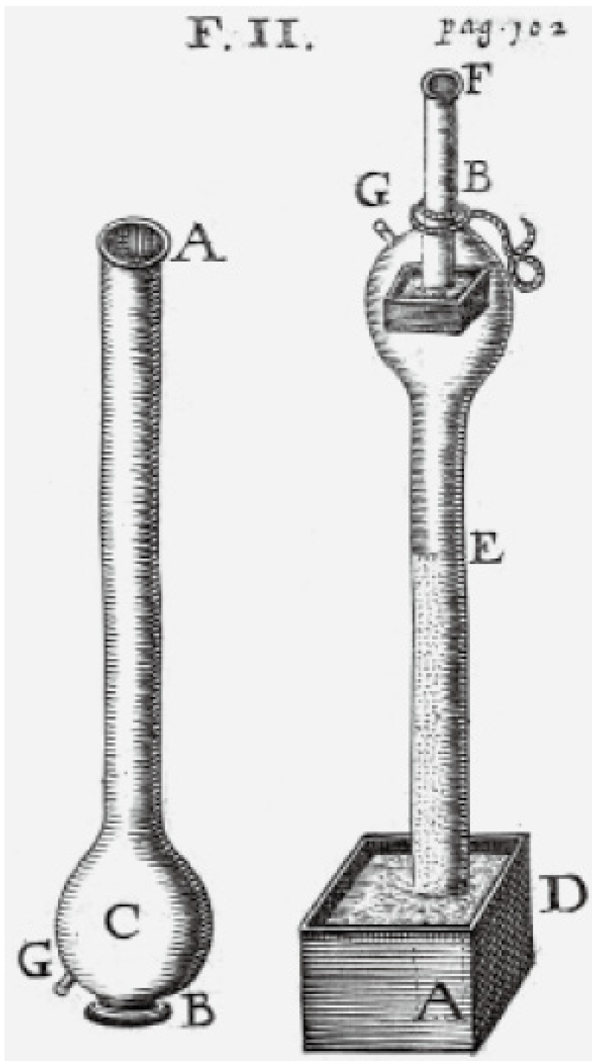
[illegible]1646[illegible]1654[illegible]“famous experiment”[illegible]1663[illegible]“*famosissima*”[illegible]

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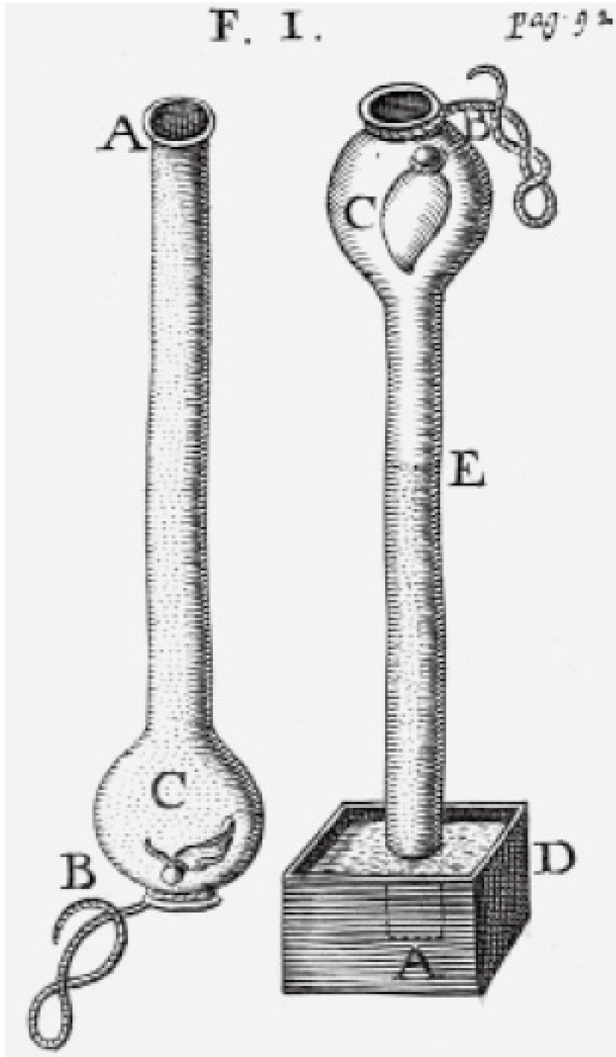
[illegible]“the spring of the air”[illegible]1660[illegible]1662[illegible]“spring”[illegible]“*elater*”[illegible]“*elastic*”[illegible]“*elater*”[illegible]“spring”[illegible]1662[illegible]1677[illegible]*Second Continuation*[illegible]“[illegible]”[illegible]·[illegible]Matthew Hale[illegible]“[illegible]”[illegible]

[illegible]14[illegible]·[illegible]14[illegible]1629[illegible]·[illegible]·[illegible]1654[illegible]*Treatise on the Equilibrium of Liquids*[illegible]

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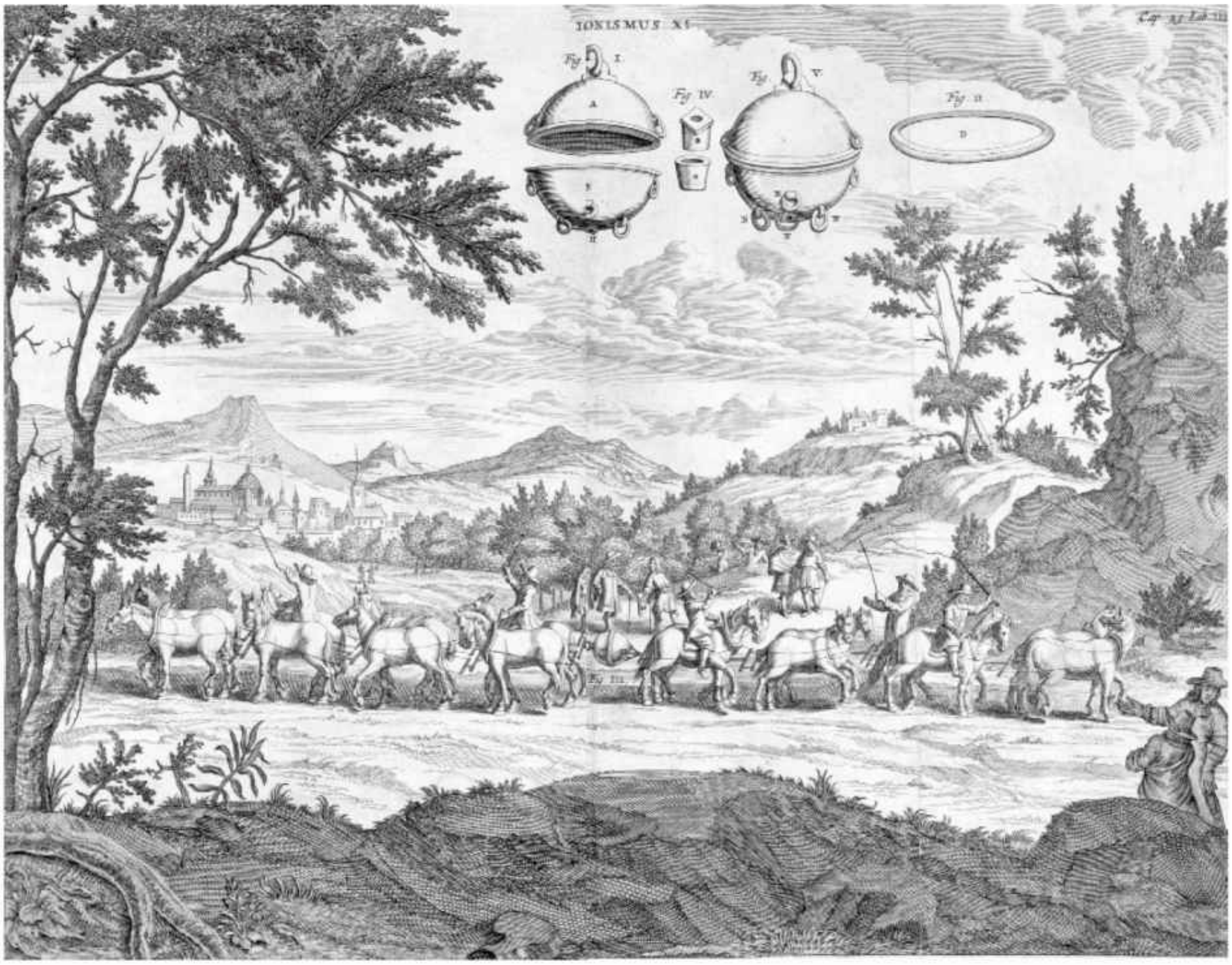
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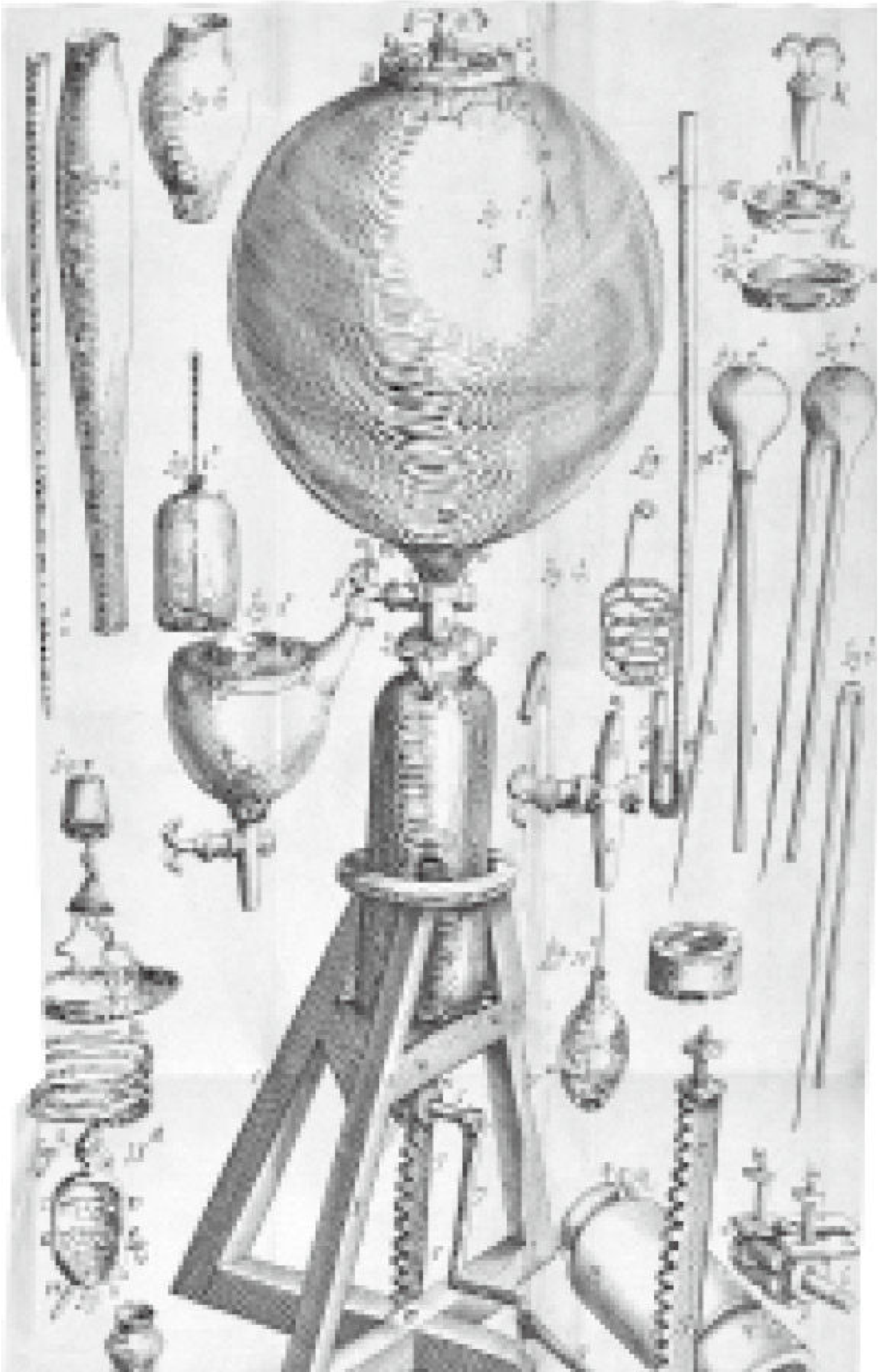
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17 □ □ □ □ □ □ □ □ “*experientia*” □ “experimentum” □ □ □ □ □“experience”□“experiment”□□□□□□□□□□□□1660□□□□“experimental philosophy”□□□□□□□□□□□□□□□□□“experiential philosophy”□□□□□□□□□13□□□□□□·□□□□□□□□□□□□□□□□□□□□□□□□□“*experimentare*”□□“*experiri*”□□□□□□□□“*i’tibar*”□□□□□□□□□□□□□□□□□□□□□□□“*Experimentum*”□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□“experiment”□□“*esperienza*”□□□□□□□□□□“*experimentum*”□“*Esperimento*”□“*sperimentare*”□□□□□□□□□□□□□□□□□□1612□□□□□□□□□□□□□□□□□□□“*esperienza*”□□□□□□□□□□□□□□□□□□□□□□□□□□□Accademia del Cimento□“*cimento*”□□□□□□□□“□□”□“□□”□□□□□□□“assay”□□□□□“essai”□□□□□□□□□□□□□□□□□□□□“*philosophie expérimentale*”□□□“*esperimento*”□□□□□□□□□□□□□□□□□□□□□□□□“*experimental method*”□□□□□□□□1675□□[14]

□□□□“□□”□□“*periculum facere*”□□□

6

[illegible]

[illegible]16[illegible]1647[illegible]·[illegible]·[illegible][15][illegible]1657[illegible]Boccaccio[illegible]“*provando e riprovando*”[illegible]

[illegible]·[illegible]·[illegible]“[illegible]”[illegible]

[illegible]。

[illegible]“[illegible]”[illegible]·[illegible]“[illegible]”。

[illegible]1687[illegible]17[illegible]60[illegible]·[illegible]。

1661[illegible]·[illegible]

52 132.1 17

Valerio Magni 1647 [16]

17

[illegible]”[illegible]“[illegible]”[illegible]
[illegible]

7

[illegible]·[illegible]Thomas Birch[illegible]

[illegible]·[illegible]Henry Miles[illegible]·[illegible]Georges Pierre[illegible]“[illegible]”[illegible]

[illegible]·[illegible]George Starkey[illegible]“[illegible]”[illegible]

[illegible]“hermetical”[illegible]“[illegible]·[illegible]Hermes Trismegistus[illegible]”[illegible]17[illegible]“[illegible]”[illegible]“hermetical”[illegible]“[illegible]”[illegible]

[illegible]“[illegible]”[illegible]“[illegible]”[illegible]·[illegible]Albertus Magnus[illegible]·[illegible]Reginald Scot[illegible]*Discovery of Witchcraft*[illegible]1584[illegible]·[illegible]The *Alchemist*[illegible]1610[illegible]·[illegible]Brian Vickers[illegible]“[illegible]”[illegible]“[illegible]”[illegible]“[illegible]”[illegible]“[illegible]”[illegible]

[illegible]“[illegible]”[illegible]18[illegible]

[illegible]18[illegible]20[illegible]·C.[illegible]John C.Powers[illegible]“[illegible]”[illegible]·[illegible]Nicolas Lémery[illegible]1645—1715[illegible]18[illegible]“[illegible]……[illegible]”[illegible]“[illegible]”[illegible]“[illegible]”[illegible]

[illegible]1718[illegible]·[illegible]·[illegible]Étienne François Geoffroy[illegible]“[illegible]”[illegible]Table of Different Relations Observed in Chemistry[illegible]“[illegible]”[illegible]24[illegible]24[illegible]18[illegible]

[illegible]

[17]

Transactions

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“” “” “”。

[18] 17 40

1718

· 1679

18 20 ·

1668 *Plus ultra*

/ 18

[illegible]



[illegible]·[illegible]Philip Galle[illegible]·[illegible]Pieter Bruegel the Elder[illegible]·[illegible]Hieronymus Cock[illegible]1558[illegible]

[illegible]1704[illegible]*Lexicon technicum*[illegible]

[illegible]“Al”[illegible]“*Ars sine Arte,cuius principium est mentire,medium laborare,&finis mendicar*”[illegible]

[illegible]

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[1] [illegible] 1654 [illegible] Pensées [illegible] 1662 [illegible]

[2] Shea [illegible] Designing Experiments [illegible] 2003 [illegible] 107—109 [illegible]

[3] [illegible] “experience” [illegible] “experiment” [illegible] · [illegible] Christian Wolff [illegible] 1732 [illegible] Schmitt [illegible] “Experience and Experiment” [illegible] 1969 [illegible] 80 [illegible]

[4] Bacon [illegible] Novum organum [illegible] Vol. 1 [illegible] 82 [illegible] “Restat experientia mera, quae, si occurat, casus; si quaesita sit, experimentum nominatur” [illegible] Bacon [illegible] Works [illegible] 1857 [illegible] Vol. 1 [illegible] 189 [illegible] “experimentalis” [illegible] “experiri” [illegible] “to experiment” [illegible]

[5] [illegible] “expériment” [illegible] Clarke [illegible] Descartes’ Philosophy of Science [illegible] 1982 [illegible] 41 [illegible] n. 2 [illegible]

[6] [illegible] 10 [illegible] 3 [illegible] “[illegible]” [illegible]

[7] [illegible] 168 [illegible]

[8] [illegible] Sabra [illegible] “[illegible] · [illegible] 17 [illegible] …… [illegible]” [illegible] Ibn al-Haytham [illegible] The Optics [illegible] Books 1—3 [illegible] on Direct Vision [illegible] 1989 [illegible] Book 2 [illegible] 18—19 [illegible]

[9] [illegible] Clagett [illegible] The Science of Mechanics in the Middle Ages [illegible] 1959 [illegible] 570 [illegible]

[10] [illegible] Meteorologica [illegible] Book 3 [illegible] Part 4 [illegible] 374a35—374b5 [illegible] Newman [illegible] Promethean Ambitions [illegible] 2004 [illegible] 242 [illegible] 238—289 [illegible]

[11] [illegible] 17 [illegible] 60 [illegible] “experiment” [illegible] 17 [illegible] 40 [illegible] 5 [illegible] “[illegible]” [illegible] Pumfrey [illegible] Rayson & Mariani [illegible] “Experiments in 17th-century English” [illegible] 2012 [illegible] 404 [illegible]

[12] “[illegible]” [illegible] Shapin [illegible] “Boyle and Mathematics” [illegible] 1988 [illegible] 43 [illegible]

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[13]“Lynceus”□□□□□□□□□□□□□□□□□“Accademia dei Lincei”□□□□□□□“Academy of the Lynxes”□□“Academy of the Lynxes”□□□□□□“Accademia delle Linci”□

[14]□□□□□□□□□□□□□□□□□·□□□□□□□□·□□□□Johann Christophorus Sturm□□□□□□□□□□□Collegium experimentale□□□□□□□□□□“□□……□□……”□Anon□“An Accompt of Some Books”□1675□509□□□□□□□□□□□“inventa et experimenta physico-mathematica”□□□□□□□—□□□□□□□□□□

[15]□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□“□□□□□□□□□□□□□□□□□□□□□”□Pascal□Oeuvres complètes□1964□687□□□□□□□□□□□□□□□□Koyré□Études d’histoire de la pensée scientifique □1973□□330□□□Boyle□A Defence□1662□51—52 = Boyle□The Works□1999□Vol. 3□52—53□□□□□□□□□□□□□□□□□□□Glanvill□Plus ultra □1668□□60—61□

[16]□□□□521—522□□□□□·□□□Collins□“The TEA Set”□1974□□ Collins□“Tacit Knowledge, Trust and the Q of Sapphire” □2001□□Pinch in Labinger & Collins □eds.□□The One Culture? □2001□□23□

[17]□□□□·□□□□□□□□□□□□□□□□□The Open Society and Its Enemies□1945□□1959□□□□□□□1935□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□

[18]“‘□□□□□□□□□□□□□□□□□□□□□□□□□□’□□□”□Wittgenstein□Philosophical Investigations□1953□para. 241 □□□□□□□□□□

[illegible]

[illegible]

[illegible]

——[illegible]·[illegible]Alexander Pope[illegible]

[illegible]·[illegible]1735[illegible]

1

1619[illegible]11[illegible]10[illegible]·[illegible]1596—1650[illegible]Duke Maximilian[illegible]1619[illegible]

[illegible]“*Quid vitae sectabor iter*?”[illegible]“[illegible]”[illegible]“*est et non*”[illegible]“[illegible]”[illegible]·[illegible]·[illegible]·[illegible]Pierre de la Brosse[illegible]*Corpus poetarum*[illegible]1661[illegible]

[illegible]

[illegible]14[illegible]1637[illegible]*Discourse on Method*[illegible]1641[illegible]*The Principles*[illegible]

[illegible]“*cogito ergo sum*”[illegible]

[illegible]1618[illegible]11[illegible]10[illegible]Maurice of Nassau[illegible]·[illegible]1905[illegible]1939—1953[illegible]

[illegible]“[illegible]—[illegible]”[illegible]“[illegible]”[illegible]

[illegible]“[illegible]”[illegible]“*pactum*”[illegible]“[illegible]”[illegible]“[illegible]”[illegible]“[illegible]”[illegible]

[illegible]

[illegible]1630[illegible]1630[illegible]10[illegible]17[illegible]12[illegible]

[illegible]1619[illegible]11[illegible]11[illegible]1637[illegible]

[illegible]……

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[illegible]

[illegible]

[illegible]（Epicurus）[illegible]（Lucretius）[illegible]

[1] [illegible]

[illegible] *The Assayer*（1623）[illegible] *On the Nature of Things* [illegible] 1666 [illegible] 1689 [illegible]

[illegible]“[illegible]”[illegible]

18

1735—1744

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Comte de Buffon

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[3]

17

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Nature and Nature’s Laws

1703

[illegible]“[illegible]……”[illegible]

[illegible]“[illegible]”[illegible]*lex naturae*[illegible]

[illegible]“[illegible]”[illegible]“[illegible]”[illegible]1[illegible]17[illegible]

[illegible]“[illegible]”[illegible]“[illegible]”[illegible]“*lex*[illegible]*or ius*[illegible]*naturae*”[illegible]“*naturalis lex*[illegible]*or ius*[illegible]”[illegible]1650[illegible]“Law of nature”[illegible]“natural law”[illegible]“law of nature”[illegible]100[illegible]“*loy naturelle*”[illegible]“*legge naturale*”[illegible]*“ley natural*”[illegible]“*la loy*[illegible]*or les loix*[illegible]*de la nature*”[illegible]“*la loi naturelle*”[illegible]“*la loy de nature*”[illegible]“*la loy de la nature*”[illegible]“*la loy de nature*”[illegible]“*lex naturae*”[illegible]“*Naturgesetz*”[illegible]“*Naturrecht*”[illegible]

[illegible]“law of nature”[illegible]“natural law”[illegible]“law of nature”[illegible]“law of nature”[illegible]“natural law”[illegible]

4

[illegible]William of Ockham[illegible]1288—1348[illegible]“[illegible]”[illegible]·[illegible]Jean Gerson[illegible]1363—1429[illegible]“[illegible]”[illegible]“[illegible]”[illegible]

[illegible]“*lex*”[illegible]“*regula*”[illegible]“[illegible]”[illegible]·[illegible]“[illegible]”[illegible]“[illegible]

[illegible]”[illegible]“[illegible]”[illegible]

[illegible]·[illegible]Jean Fernel[illegible]1497—1558[illegible]“[illegible]”[illegible]

[illegible]17[illegible]1630[illegible]*The World*[illegible]1633[illegible]*The Principles of Philosophy*[illegible]1644[illegible],1651[illegible]“[illegible]”[illegible]“[illegible]”[illegible][4][illegible]

[illegible]7[illegible]*regulae*[illegible]“[illegible]”[illegible]“[illegible]”[illegible]

[illegible]“*lex naturae*”[illegible]“*foedus naturae*”[illegible]“*foedus*”[illegible]“*lex*”[illegible]

[illegible]“[illegible]”[illegible]“*quantum in se es*”[illegible]“[illegible]”[illegible]“[illegible]”[illegible]

[illegible]·[illegible]*An Apology for Raymond Sebond*[illegible]1580[illegible]1588[illegible]“*foedus naturae*”[illegible]1580[illegible]

[illegible]……

[illegible]“[illegible]”[illegible]……[illegible]

omnia cum coelo terraque marique

Nil sunt ad summam summaïtotius omnem.

[illegible]“[illegible]”[illegible]

[illegible]*une loy municipale*[illegible]*l’universelle*[illegible]*la loi universelle*[illegible]……[illegible]……[illegible]regles[illegible]……

[illegible]……[illegible]……[illegible]

[illegible]“*foedera naturae*”[illegible]“[illegible]”[illegible]

[illegible]·[illegible]1654[illegible]

[illegible]

[illegible]……[illegible]“[illegible]”[illegible]

[illegible]“municipal laws”[illegible]

[illegible]

[illegible]

[illegible]1644[illegible]·[illegible]

[illegible]

[illegible]“[illegible]”[illegible][5]

[illegible]“[illegible]”[illegible]

[illegible]“*summa lex*”[illegible]“[illegible]”[illegible]·[illegible]“[illegible]”[illegible]“[illegible]”“[illegible]”[illegible]18[illegible]

5

[illegible]

[illegible]“[illegible]”[illegible]

[illegible]·[illegible]

[illegible]2+2[illegible]4[illegible]

[illegible]“Q”[illegible]“U”[illegible]“Q”[illegible]“U”[illegible]“U”[illegible]“Q”[illegible]Malebranche[illegible]

[illegible]

[illegible]1641[illegible]*Meditations*[illegible]1663[illegible]·[illegible]William Whiston[illegible]1696[illegible]

[illegible]“[illegible]”

[1][illegible]12[illegible]

[2][illegible]1980[illegible]

[3][illegible]“[illegible]”[illegible]“[illegible]”[illegible]

[4][illegible]1620[illegible]Book 2[illegible]aphorism 2[illegible]Bacon[illegible]Works[illegible]1857[illegible]Vol. 1[illegible]228[illegible]

[5][illegible]“[illegible]”[illegible]

[illegible] [illegible]/[illegible]

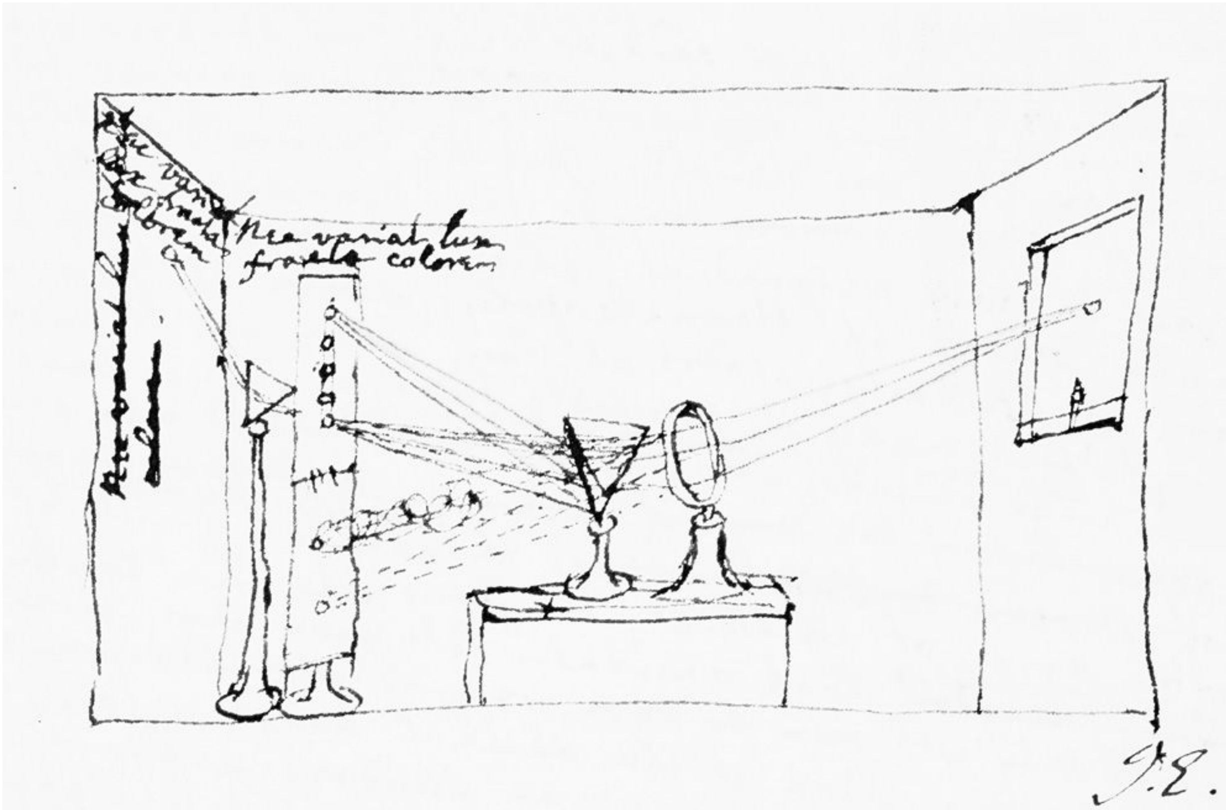
……[illegible]……[illegible]detection[illegible][1][illegible]

——[illegible]·[illegible]·[illegible]

1672[illegible]1[illegible]18[illegible]

1

“1666[illegible]”[illegible]23[illegible]1669[illegible]10[illegible]1670[illegible]1666[illegible]22[illegible]6.7[illegible]



[illegible]1720[illegible]

[illegible]“[illegible]”[illegible][2]1670[illegible]1672[illegible]——[illegible]·[illegible]A*Letter of Mr Isaac Newton,Professor of the Mathematicks in the University of Cambridge;Containing His New Theory about Light and Colors*[illegible]

[illegible]40°[illegible]1666[illegible]1665[illegible]8[illegible]1663[illegible]1666[illegible]1665[illegible]1666[illegible]1668[illegible]

[illegible]1664[illegible]1663[illegible]8[illegible]1666[illegible]·[illegible]Richard Westfall[illegible]“[illegible]”[illegible]·[illegible]“[illegible]1672[illegible]”[illegible]·[illegible]Peter Dear[illegible]“[illegible]”[illegible]“[illegible]”[illegible]

[illegible][3]

[illegible]“[illegible]”[illegible]“[illegible]·[illegible]……[illegible]”[illegible]“[illegible]”[illegible]“[illegible]”[illegible]·[illegible]Ignatius Pardies[illegible]“[illegible]”“[illegible]

[illegible]”[illegible]

[illegible]

[illegible]

[illegible]“[illegible]”[illegible]“[illegible][4][illegible]”[illegible]“[illegible]”[illegible]“[illegible]”[illegible]“[illegible]”[illegible]

[illegible]“[illegible]”[illegible][5][illegible]16[illegible]60[illegible]70[illegible]“[illegible]”[illegible]

2

“[illegible]”[illegible]1644[illegible]“[illegible]”[illegible]43—45[illegible]

43[illegible]

44:[illegible]

45[illegible]

[illegible]1644[illegible]

[illegible]“[illegible]”[illegible]hypothesis[illegible]“hypo-”[illegible]“[illegible]”[illegible]“hypodermic”[illegible]“[illegible]”[illegible]“[illegible]”[illegible]

[illegible]“[illegible]”[illegible]“[illegible]”[illegible]·[illegible]“[illegible]”[illegible]1640[illegible]“[illegible]”[illegible]“[illegible]”[illegible][6]

[illegible]

1576 · “ ” “ ” [7] · “ ” “ ” 1616 *Discourse on the Flux and Reflux of the Sea*

“ ” “ ” “ 43” [8] *Essay concerning Humane Understanding* “ ” “ ”

· “ 45” “ ” “ 45” [9]

“ ” 1600

[illegible]……[illegible]……[illegible]……[illegible]

[illegible]“[illegible]”[illegible]“[illegible]”[illegible]1613[illegible]

[illegible]“[illegible]”[illegible]17[illegible]60[illegible]“[illegible]”[illegible]1660[illegible]·[illegible]“[illegible]”[illegible]1664[illegible]1665[illegible]“[illegible]”[illegible]“[illegible]”[illegible]“[illegible]”[illegible]

[illegible]17[illegible]

[illegible]1713[illegible]“*hypotheses non fingo*”[illegible]“[illegible]feign[illegible]”[illegible]“fingo”[illegible]“feign”[illegible]“[illegible]”[illegible]“feign”[illegible]17[illegible][10]852[illegible]·[illegible]“[illegible]”[illegible][11][illegible]“[illegible]”[illegible][12][illegible]“[illegible]”[illegible]

[illegible]“[illegible]”[illegible]“[illegible]”[illegible]

3

[illegible]17[illegible]1:1[illegible]y[illegible]x[illegible]“[illegible]—[illegible]”[illegible]

[illegible]

[illegible]14[illegible]

[illegible]“[illegible]”[illegible]“[illegible]”[illegible]

[illegible]“[illegible]……[illegible]”[illegible]

[illegible]*The Imaginary Invalid*[illegible]1673[illegible]

[illegible]“[illegible]”[illegible]

[illegible]

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[illegible]·[illegible]·[illegible]James Bryant Conant[illegible]“[illegible]”[illegible]“[illegible]”[illegible]·[illegible]

[illegible]“*théorie*”[illegible]19[illegible]“[illegible]”[illegible]“*la théorie des planètes*”[illegible]“theory/*théorie/teoria*”[illegible][13][illegible]

[illegible]16[illegible]“theory”[illegible]“theoric”[illegible]

[illegible]1627[illegible]

[illegible][14]

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[1]“Detection”[illegible]17[illegible]“discovery”[illegible]“detego”[illegible]“[illegible]”[illegible]Detection”[illegible]“discovery”[illegible]“detection”[illegible]

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[5][illegible]“[illegible]……”[illegible]Newton[illegible]The Correspondence of Isaac Newton[illegible]1959[illegible]Vol. 1[illegible]96—97[illegible]105 n. 19[illegible]190 n. 18[illegible]386 n. 22[illegible]

[6]“[illegible]……[illegible]‘[illegible]’[illegible]‘[illegible]’[illegible]

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[7][illegible]“[illegible]”[illegible]1646[illegible]Browne[illegible]Pseudoxia epidemica ii. ii. 60[illegible]“[illegible]……[illegible]……[illegible]……[illegible]”

[8][illegible]“[illegible]”[illegible]Westfall[illegible]“Unpublished Boyle Papers”[illegible]1956[illegible]69—70[illegible]

[9][illegible]Descartes[illegible]Philosophical Writings[illegible]1984[illegible]250—251[illegible]255—258 [illegible]40—41[illegible]150[illegible]152—153[illegible]·[illegible]“[illegible]”[illegible]“[illegible]”[illegible]

[10][illegible]“[illegible]”[illegible]Newton[illegible]Unpublished Scientific Papers[illegible]1962[illegible]353[illegible]

[11]“aliis ante me hanc concessam libertatem, ut quos libet fingerent circulos ad demonstran- dum phaenomena astrorum”[illegible]Copernicus[illegible]De revolutionibus orbium coelestium[illegible]1543[illegible]iiii[illegible]r[illegible]“Of Superstition”[illegible]Bacon[illegible]The Essayes[illegible]1625[illegible]97[illegible]“feign”[illegible]“[illegible]”[illegible]A Discourse[illegible]1640[illegible]26[illegible]“[illegible]”[illegible]“[illegible]”[illegible]“confingo”[illegible]Hevelius & Horrocks[illegible]Mercurius in Sole visus[illegible]1662[illegible]133[illegible]“[illegible]”[illegible]Cohen[illegible]“The First English Version of Newton’s Hypotheses non fingo”[illegible]1962[illegible]380—381[illegible]“Feign”[illegible]“[illegible]”[illegible]Cohen[illegible]“‘to feign’[illegible]”[illegible]Cohen[illegible] “The First English Version of Newton’s Hypotheses non fingo”[illegible]1962[illegible]381[illegible]

[12][illegible]1572[illegible]Granada[illegible]Mosley[illegible]and others[illegible]Christoph Rothmann’s Discourse[illegible]2014[illegible]55—63[illegible]134—143[illegible]

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[15][illegible]“theory”[illegible]“theorize”[illegible]1638[illegible]

[16]“[illegible]”Boyle[illegible]New Experiments Physicomechanical[illegible]1660[illegible]2 = Boyle[illegible]The Works [illegible]1999[illegible]Vol. 1[illegible]157[illegible]

[17][illegible]“[illegible]”[illegible]A Defence of the Doctrine Touching the Spring and Weight of the Air[illegible]1662[illegible]“[illegible]”[illegible]“[illegible]”[illegible]

[18]“theoria”[illegible]1687[illegible]“Theory”[illegible]·[illegible]Andrew Motte[illegible]1729[illegible]

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“*bankrupt*”[illegible]“*brankrowte*”[illegible]“*banque route*”[illegible]“*faire banqueroute*”[illegible]“foro cedere,solum vetere”[illegible]“*banque*[illegible]*mensa*”[illegible]“*route*[illegible]*vestigium*”[illegible]“[illegible]”[illegible]“[illegible]”[illegible]

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4 *Principles and Duties of Natural Religion* 1675 · “ ” “ ” “ ” “ ” “ ” “ ” “ ”

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[illegible]*Syntagma philosophicum*[illegible]1656[illegible]·[illegible]Pierre Gassendi[illegible]“[illegible]*vestigium*[illegible]”[illegible]“[illegible]”[illegible]“[illegible]”[illegible]“[illegible]”[illegible]

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17·*Of the Principles and Duties of Natural Religion*1672 75· *The Primitive Origination of Mankind*1677 280, *Treatise*1739—1740 48 · William Paley *Natural Theology;or,Evidences of the Existence and Attributes of the Deity*1802

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[illegible]1976[illegible]·[illegible]“[illegible]”[illegible]Mathematical versus Experimental Traditions in the Development of Physical Science[illegible]17[illegible]6[illegible][10][illegible]*An Introduction to the Study of Experimental Medicine*[illegible]1865[illegible]·[illegible]Claude Bernard[illegible]

[illegible]“evidence”[illegible]“*preuve*”[illegible][11]

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[illegible]·[illegible]“[illegible]”[illegible]1748[illegible][12]

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[1] [illegible]Meditations on First Philosophy[illegible]1641[illegible] [illegible]1629[illegible]“[illegible]”[illegible]Berkel[illegible]Isaac Beeckman [illegible]2013[illegible]81[illegible]173—185[illegible]Lüthy[illegible]“Where Logical Necessity Turns into Visual Persuasion”[illegible]2006[illegible]

[2] “[illegible]”[illegible]·[illegible]1363—1429[illegible]Schüssler[illegible]“Jean Gerson, Moral Certainty”[illegible]2009[illegible]“[illegible]”[illegible]Leeuwen[illegible]The Problem of Certainty[illegible]1963[illegible]

[3] [illegible]12[illegible]90[illegible]Franklin[illegible]The Science of Conjecture[illegible]2001[illegible]18—19[illegible]

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[5] [illegible]“[illegible]……”[illegible]Arnauld & Nicole[illegible]La Logique[illegible]1970[illegible]294[illegible]

[6] [illegible]1694[illegible]5[illegible]25[illegible]Hawes[illegible]“[illegible]”Newton & Cotes[illegible]Correspondence [illegible]1850[illegible]284[illegible]Bacon[illegible]Novum organum Vol. 1[illegible]xcv [illegible]Bacon[illegible]Works[illegible]1857[illegible]Vol. 1[illegible]201[illegible]

[7] [illegible]·[illegible]“[illegible]” Boyle[illegible]Certain Physiological Essays [illegible]1661[illegible]9 = Boyle[illegible]The Works [illegible]1999[illegible]Vol. 2[illegible]14[illegible]

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[9] [illegible]“[illegible]”[illegible]1638[illegible]Essais[illegible]1580[illegible]Book 2[illegible]Ch. 7[illegible]1603[illegible]

[10] 1756[illegible] [illegible]“[illegible]”[illegible]

[11] [illegible]Cassin[illegible]Rendall[illegible]Apter[illegible]Dictionary of Untranslatables[illegible]2014[illegible]“evidence/proof”[illegible]“evidence”[illegible]/[illegible]

[12]“[illegible]……[illegible]”[illegible]Hume[illegible]Philosophical Essays[illegible]1748[illegible]47—48[illegible]

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1550 “*machina*” “*automata*”

“*jacquemart*” “jack” 1352—1354 “ ” 1676

The Relations of Moving Force 1615 · · Salomon de Caus ·

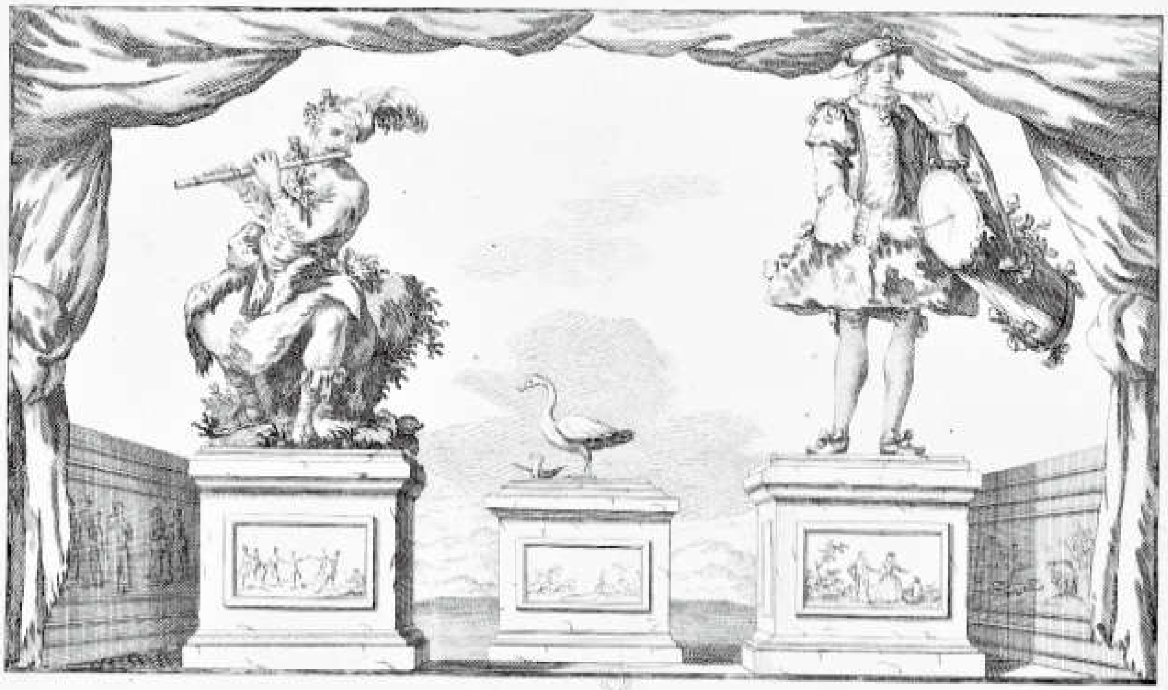
[illegible]·[illegible]·[illegible]·[illegible]1637[illegible]“engines”[illegible]“machines”[illegible]“engine”[illegible]“*ingenium*”[illegible]“*ingenium*”[illegible]“ingenious”[illegible]“ingenious”[illegible]“[illegible]”[illegible]“Engine”[illegible]“machine”[illegible]

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[illegible]·[illegible]·[illegible]·[illegible]·[illegible]·[illegible]·[illegible]Julien Offray de La Mettrie[illegible]*Man the Machine*[illegible]1748[illegible]100[illegible]·[illegible]·[illegible]Jacques de Vaucanson[illegible]

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AVEC PERMISSION
DU MAGISTRAT DE LA VILLE,

On expofera a la vüe du Publique les 3. chefs d'Oeuvres Mechaniques du Celébre Monfieur VAUCANSON, *Mémbre de l'Academie Royale des Sciences de Paris, qui confiftent en trois Figures Automates.*

SCAVOIR:

LA premiére, Un homme de Grandeur naturele habillé en SAUVAGE qui joué Onze airs fur la Flûte traverfiére par les mémes mouvements des Levres des doits & le fouffle de fa bouche comme l'homme vivant.

LA feconde, un homme auffi de Grandeur naturelle. habillé en BERGER PROVENCAL qui joué 20. airs differens fur le Flûtet de Provence d'une main & du Tambourin de l'autre avec toute la precifion & perfection de méme qu'un habile joueur.

LA troifiéme un CANARD artificiel en Cuivre d'oré qui Bois, Mange, Croüafe Barbote dans l'eau & fait la digeftion comme un Canard vivant.

CEs 3. Pieces qui ont fait meriter une Récompenfe a l'Autheur d'une Penfion de 8. mille & 5. cent Livres par le Roy, & qui ont engagé un grand nombre des Perfonnes de diftinction a des longs & penibles Voyages pour les voir, marque mieux leur mérite qu'un plus long detail. On Efpere que dans cette Ville un chacun fera charmé de profiter de l'occafion de les voir & qu'ils en feront la difference du nombre des bagatels, qui l'on fait voir tous les jours au publique. Comme le Proprietaire doit fe trouver le 12 a Francfort il donnera pendant 8. jours a commencer ce jourd'huy 2. Répréfentations par jour a 3. & 5. heures apres midy au Poil du Miroir, l'on payera 24. Sols au premiére, 16. au fecond & 8. au troifieme place, & comme il n'y a aucune tricherie dans ces beaux ouvrages l'on enfera voir l'interieur a decouvert en payant 24. Sols par perfonne, l'on vend auffi dans la méme Sale le mémoire prefenté par l'Auteur a Meffieurs de l'Academie Royale qui contient un ample detail des pieces contenües dans ces ouvrages & auffi l'Approbation des Meffieurs de l'Academie.

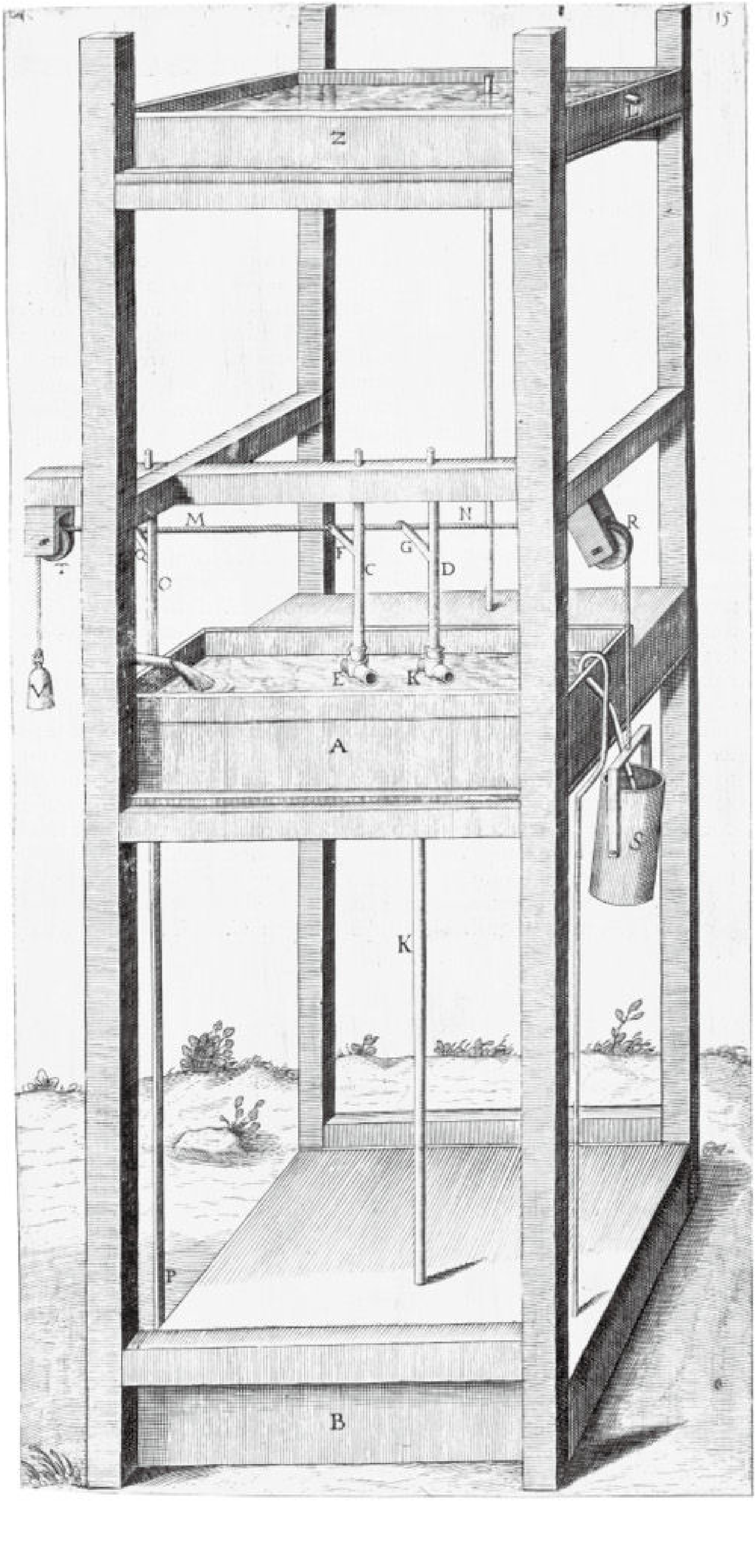
Les Compagnies particulieres pourront les voir a tout heure, en avertiffant d'avance & payeront 3. Livres par Perfonne etant au moin au nombre des huits.

[illegible]18[illegible]

[illegible]17[illegible]·[illegible]Conrad Drebbel[illegible]·[illegible]18[illegible]·[illegible]·[illegible]

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[illegible]17[illegible]1659[illegible]“[illegible]”[illegible]“[illegible]”[illegible]“[illegible]”[illegible]“[illegible]”[illegible]·[illegible]


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La Raison des forces Mouvantes 1615

1675 [3] 1668 17 Leonardus Lessius 1631

21 Ennius *Annals*

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[illegible]·[illegible]·[illegible]·[illegible]Friedrich von Knauss[illegible]1724—1789[illegible]

[illegible]14[illegible]1417[illegible]·[illegible]

[illegible]16[illegible]17[illegible]“[illegible]”[illegible]

[illegible]17[illegible]16[illegible]“[illegible]”[illegible]14[illegible]17[illegible]—[illegible]

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[illegible]·[illegible]1743—1805[illegible]*Dialogues Concerning Natural Religion*[illegible]1779[illegible]

[illegible]……[illegible]

[illegible]d’Holbach[illegible]18[illegible]

[illegible]

[illegible]13[illegible]
18、19[illegible]
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1733[illegible]

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[illegible]“[illegible]……[illegible]”[illegible]“[illegible]”[illegible]

[1][illegible]Dionysius[illegible]“Aut deus naturae patitur, aut dissolvitur machina mundi”[illegible]

[illegible]moles et machina mundi[illegible]

[2][illegible]413[illegible]

[3][illegible]“[illegible]”[illegible]

[illegible]

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——[illegible]·[illegible]*Science as a Vocation*[illegible]1918[illegible]

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1661[illegible]3[illegible]·[illegible]John Mompesson[illegible]

1662[illegible]11[illegible]5[illegible]20[illegible]Cragg[illegible]

[illegible]*Saduscismus triumphatus*[illegible]·[illegible]1664[illegible]1666[illegible]

[illegible]1667[illegible]*A Blow at Modern Sadducism*[illegible]1681[illegible]·[illegible]5[illegible]“[illegible]”[illegible]1677[illegible]·[illegible]*The Displaying of Supposed Witchcraft*[illegible]

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“modern”[illegible]*modernus*[illegible]6[illegible][1][illegible]410[illegible]Theodoric[illegible]493—526[illegible]“[illegible]”[illegible]1000[illegible]1382[illegible]·[illegible]Filippo Villani[illegible]“[illegible]”[illegible]1604[illegible]“*medium aevum*”[illegible]“medieval”[illegible]“the Renaissance”[illegible]“the Enlightenment”[illegible]19[illegible]50[illegible]“early modern”[illegible]1453[illegible]“[illegible]”[illegible]19[illegible]16[illegible]19[illegible]“modernity”[illegible]19[illegible][2][illegible]“postmodern”[illegible]50[illegible]

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[illegible][3][illegible]1616[illegible]“modern age”[illegible]“modern world”[illegible]“modern times”[illegible][4][illegible]·[illegible]Alessandro Tassoni[illegible]1620[illegible]

[illegible]“modern”[illegible]17[illegible]60[illegible]1668[illegible]“[illegible]”[illegible]“modern”[illegible]the modern world[illegible]modern times[illegible]the modern way of Philosophy[illegible]modern Experimenters[illegible]the modern Discoveries[illegible][5][illegible]“*The Origins of Modern Science*”[illegible]

[illegible]“modern”[illegible]“modern”[illegible]“the modern”[illegible]

[illegible]“modern”[illegible]“[illegible]”[illegible]“[illegible]”[illegible]18[illegible]

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[illegible]1694[illegible]1698[illegible]·[illegible]·[illegible]1699[illegible]

[illegible]1701[illegible]·[illegible]

[illegible]50[illegible]Ariosto[illegible]Orlando[illegible]

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[illegible]*Defence*[illegible]1701[illegible]1705[illegible]*Defense*[illegible]*Tale of a Tub*[illegible]

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[illegible]1700[illegible]200[illegible]1650

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[illegible]18[illegible]·[illegible]Jane Wenham[illegible]1712[illegible]1716[illegible]·[illegible]Mary Hickes[illegible]9[illegible]1736[illegible]

[illegible]19[illegible]

[illegible]1660[illegible]*Philosophia pia*[illegible]1671[illegible]1690[illegible]“[illegible]”[illegible]·[illegible]1660[illegible]“[illegible]”[illegible]1691[illegible]·[illegible]Nicholas Saunderson[illegible]*Letter on the Blind*[illegible]1710[illegible]

[illegible]12[illegible]

[illegible]Spinoza[illegible]

[illegible]“[illegible]”[illegible]·[illegible]1677[illegible]

[illegible]……[illegible]……[illegible]……[illegible]

[illegible]·[illegible]

[illegible]·[illegible]

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[illegible]1653—1691[illegible]“[illegible]”[illegible]“[illegible]”[illegible]“*advocatus diaboli*”[illegible]1587[illegible]“[illegible]”[illegible]

[illegible]·[illegible]*Antidote against Atheism*[illegible]1653[illegible]“[illegible]”[illegible]*The Devil of Mascon*[illegible]1658[illegible]·[illegible]Méric Casaubon[illegible]·[illegible]1659[illegible]·[illegible]Richard Baxter[illegible]*The Certainty of the World of Spirits*[illegible]1691[illegible]


Saducismus Triumphatus.

[illegible]·[illegible]1681[illegible]449—450[illegible]·[illegible]Julian Cox[illegible]·[illegible]Margaret Jackson[illegible]·[illegible]Richard Jones[illegible]—[illegible]

[illegible]·[illegible]“[illegible]”[illegible]“[illegible]”[illegible]32[illegible]1681[illegible]66[illegible]

[illegible]18[illegible]·[illegible]Francis Hutchinson[illegible]*Historical Essay Concerning Witchcraft*[illegible]1718[illegible]1722[illegible]*Cato’s Letters*[illegible]Trenchard[illegible]Gordon[illegible]·[illegible]Mary Toft[illegible]1726[illegible]17[illegible]

[illegible]5[illegible]100[illegible]5[illegible]17[illegible]

[illegible]*An Enquiry Concerning Human Understanding*[illegible]1748[illegible]“[illegible]”[illegible]“Of Miracles”[illegible]·[illegible]

[illegible]

[illegible]1712[illegible]·[illegible]

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1687[illegible]18[illegible]40[illegible]1727[illegible]10[illegible]

[illegible]1692[illegible]·[illegible]*Reflectionsa*[illegible]1690[illegible]“[illegible]”

[illegible]8[illegible]*The Folly and Unreasonableness of Atheism Demonstrated from the Advantage and Pleasure of a Religious Life,the Faculties of Human Souls,the Structure of Animate Bodies&the Origin and Frame of the World*[illegible]1693[illegible]“[illegible]”[illegible]“[illegible]……[illegible]”[illegible]“[illegible]”[illegible]

1692 … 18 …

… · … 1681—1689 …
1684—1690 …

… 10 …
· … Herbert Croft … "…" … · … John Ray … *The Wisdom of God Manifested in His Works of Creation* … 1691 …

… · … *A New Theory of the Earth* … 1696 … 18 … · … Anthony Collins … *Discourse of Freethinking* … 1713 … "…" … Phileleutherus … *Remarks upon a Late Discourse of Freethinking* … 1713 … · … Balthasar Bekker … *The Enchanted World* … 1691 …

[illegible]·[illegible]Samuel Harsnett[illegible]1605[illegible]*Declaration of Egregious Popish Impostures*[illegible]·[illegible]

[illegible]

[illegible]Sydenham[illegible]Ratcliff[illegible]

[illegible]“[illegible]”[illegible]“[illegible]”[illegible]“[illegible]”[illegible]“[illegible]”[illegible]

[illegible]·[illegible]16[illegible]80[illegible]

[illegible]1663[illegible]*A Discourse Concerning Prodigies*[illegible]·[illegible]John Spencer[illegible]

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[illegible]17[illegible]18[illegible]

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[illegible]1653—1692[illegible]1692[illegible]Middleton[illegible]1747[illegible]*Free Enquiry*[illegible]1748[illegible]*Credulity,Superstition and Fanaticism*[illegible]1762[illegible]Hogarth[illegible]·[illegible]

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[illegible]1653—1692[illegible]1692[illegible]·[illegible]John Wesley[illegible]


CREDULITY, SUPERSTITION, and FANATICISM.
A MEDLEY.
Believe not every Spirit but try the Spirits whether they are of God because many false Prophets are gone out into the World.
Designed and Engraved by Wm. Hogarth.

[illegible]1762[illegible]12[illegible]
[illegible]·[illegible]

· Samuel Clarke

· James Bradley — *Physico-Theology* 1713

· William Derham

·

· Charles Blount 1680

· *The Two First Books of Philostratus,Concerning the Life of Apollonius Tyaneus:Written Originally in Greek,and now Published in English:Together with Philological Notes upon each Chapter* 19

·

James Brydges · George Parker

· John Keill *Introductio ad veram physicam* 1701 *Physica* 1697

·

Willem’s Gravesande 1720

1723 · *A View of Sir Isaac Newton’s Philosophy* 1728 · John Pemberton

·

James Jurin *Geometry No Friend to Infidelity* 1734 *New Theory* 1696 · Nehemiah Grew

Cosmologia sacra 1701 · Edward Wells

[illegible]*The Young Gentleman’s Astronomy*[illegible]1718[illegible]·[illegible]*Astronomical Dialogues between a Gentleman and a Lady*[illegible]1729[illegible]·[illegible]*The Elements of Sir Isaac Newton’s Philosophy*[illegible]1738[illegible]·[illegible]Francesco Algarotti[illegible]·[illegible]*Sir Isaac Newton’s Philosophy Explain’d for the Use of the Ladies*[illegible]1739[illegible]6[illegible]30[illegible]

[illegible]·[illegible]·[illegible]Émilie du Châtelet[illegible]1756[illegible]·[illegible]Laura Bassi[illegible]1732[illegible]·[illegible]Aphra Behn[illegible]·[illegible]Elizabeth Carter[illegible]

[illegible]1715—1745[illegible]*The Vanity of Authors*[illegible]1751[illegible]·[illegible]“[illegible]”[illegible]1686[illegible]

[illegible]1698—1707[illegible]·[illegible]“[illegible]”[illegible]·[illegible]James Hodgson[illegible]·[illegible]Francis Hauksbee the elder[illegible]·[illegible]Humphrey Ditton[illegible]1713[illegible]·[illegible]1710[illegible]1[illegible]·[illegible]

[illegible]·[illegible]·[illegible]·[illegible]·[illegible]John Theophilus Desaguliers[illegible]1713[illegible]1717[illegible]—[illegible]*Physico-Mechanical Lectures*[illegible]1734[illegible]121[illegible]12[illegible]8[illegible]

[illegible]17[illegible]18[illegible]19[illegible]

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[1] [illegible]Cassiodorus[illegible]Institutiones[illegible]“antiquorum diligentissimus imitator, modernorum nobilissimus institutor”[illegible]

[2] [illegible]“modern”[illegible]“ancient”[illegible]1894[illegible]

[3] [illegible]36—37[illegible]

[4] [illegible]26[illegible]note xxiv[illegible]1600[illegible]1593[illegible]1600—1624[illegible]49[illegible]1625—1649[illegible]88[illegible]1650—1674[illegible]179[illegible]1675—1699[illegible]162[illegible]17[illegible]50[illegible]

[5] [illegible]“modern”[illegible] Bartholin[illegible]Walaeus & others[illegible]Bartholinus Anatomy[illegible]Made from the Precepts of His Father[illegible]and From the Observations of All Modern Anatomists [illegible]1662[illegible] Dary[illegible]The General Doctrine of Equation Reduced into Brief Precepts[illegible]In III Chapters. Derived from the Works of the Best Modern Analysts [illegible]1664[illegible]Salusbury [illegible]ed.[illegible]Mathematical Collections and Translations in Two Parts from the Original Copies of Galileus and Other Famous Modern Authors [illegible]1667[illegible]Croll[illegible]Hartmann & others[illegible]Bazilica Chymica & Praxis Chymiatricae[illegible]or[illegible]Royal and Practical Chymistry in Three Treatises[illegible]Wherein All Those Excellent Medicines and Chymical Preparations are Fully Discovered[illegible]from whence All Our Modern Chymists Have Drawn Their Choicest Remedies[illegible]1670[illegible]Barbette[illegible]The Chirurgical and Anatomical Works . . . Composed according to the Doctrine of the Circulation of the Blood and Other New Inventions of the Moderns[illegible]1672[illegible]

[6][illegible]·[illegible]Dorothy Osborne[illegible]1888—2002[illegible]Dunn[illegible]Read My Heart [illegible]2008[illegible]

[7][illegible]281—282[illegible]305[illegible]420—421[illegible]

[8][illegible]

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[illegible]*Some Considerations*[illegible]1663[illegible]

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[illegible]18[illegible]*History of the Royal Society*[illegible]“[illegible]”[illegible]1666[illegible]“*naturae investigandae et perficiendis artibus*”[illegible]1699[illegible]“*invenit et perficit*”[illegible]

[illegible]·[illegible]Ambroise Sarrotti[illegible]1675—1681[illegible]Paolo[illegible][1][illegible]“[illegible]”[illegible]·[illegible]1726[illegible]

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[illegible]·[illegible]Boris Hessen[illegible]1936[illegible]1931[illegible]“[illegible]”[illegible]1938[illegible]17[illegible]*Science,Technology and Society in Seventeenth-century England*[illegible]·[illegible]17[illegible]

[illegible]·[illegible]·[illegible]1765[illegible]·[illegible]Joseph Black[illegible]1750[illegible]·[illegible]·[illegible]Lawrence Joseph Henderson[illegible]1917[illegible]“[illegible]

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1742—1753 Robins Euler 18 80

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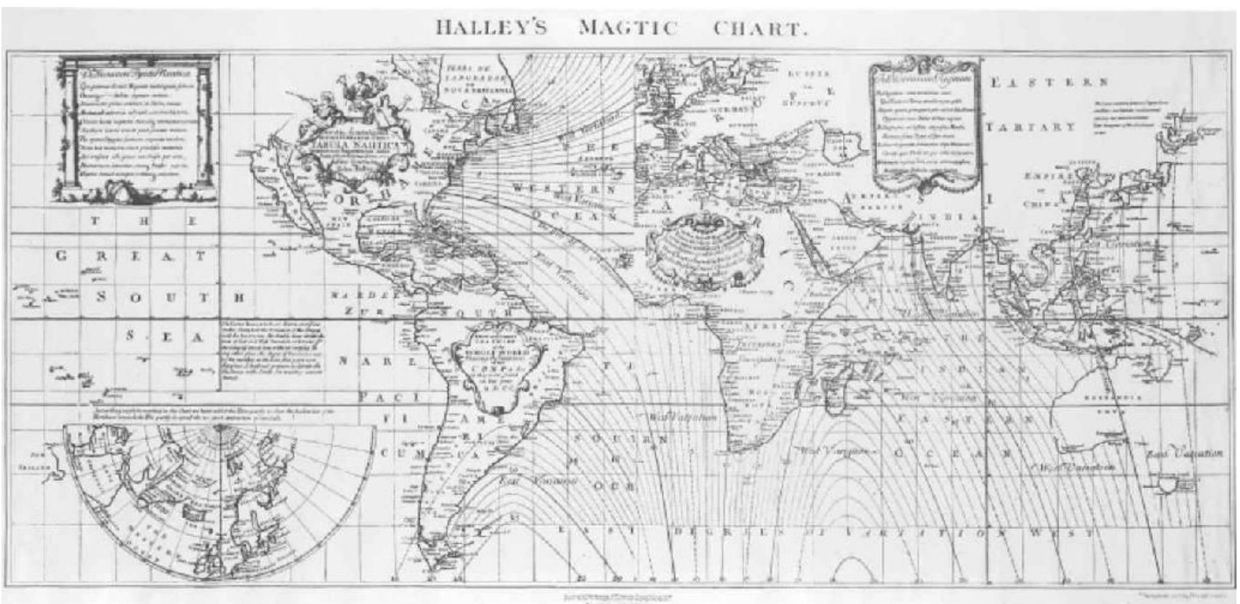
[illegible]1679[illegible]20%[illegible]60[illegible]

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[illegible]1656[illegible]1637[illegible]1658—1674[illegible]·[illegible]·[illegible]·[illegible]Jean de Hautefeuille[illegible]14[illegible]·[illegible]John Harrison[illegible]1735[illegible]

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Arkwright□□□□□□□□·□□□□□John Kay□□□□1769□□□□□□□□□□□
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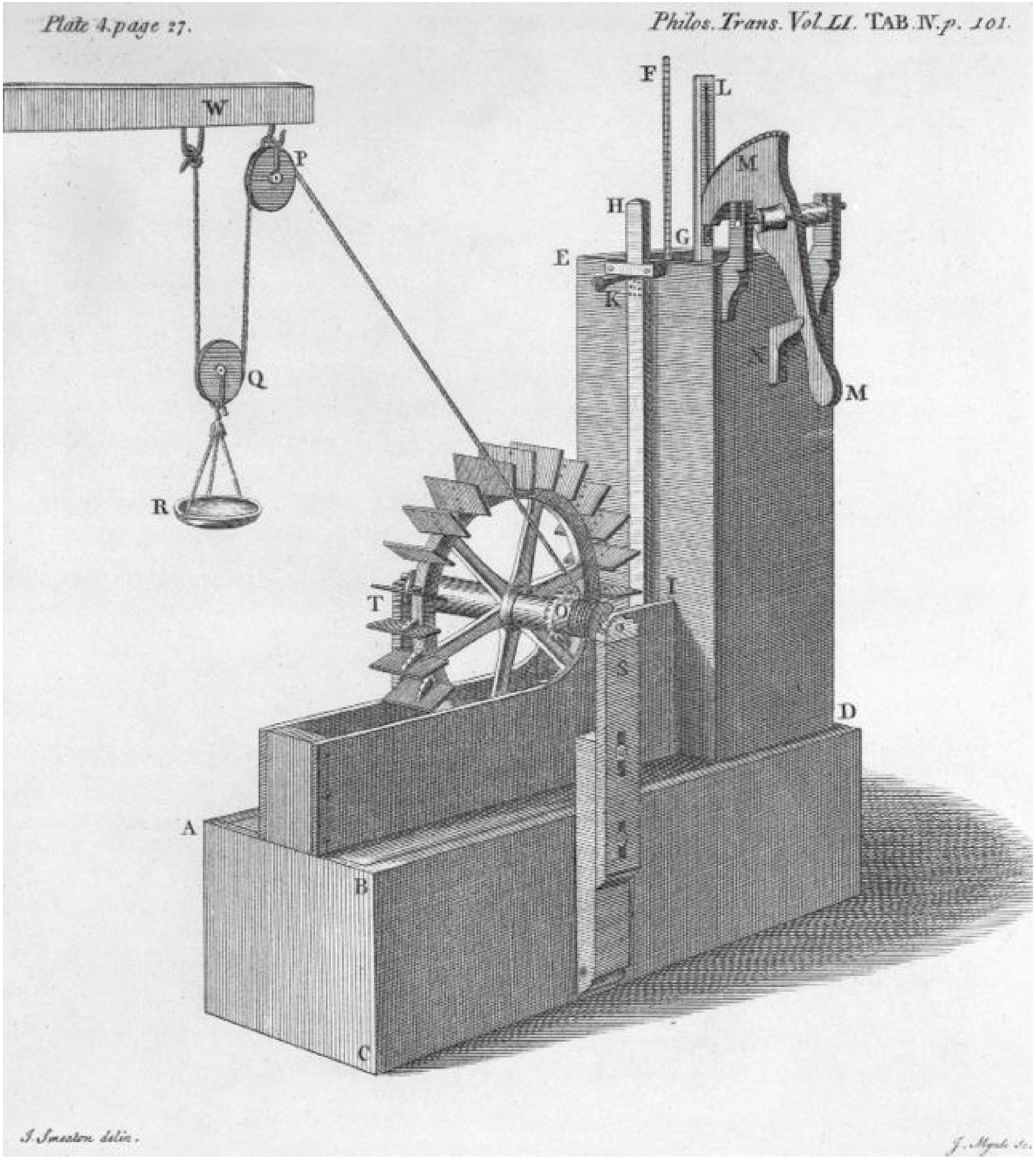
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[illegible]100[illegible]·[illegible]John Smeaton[illegible]



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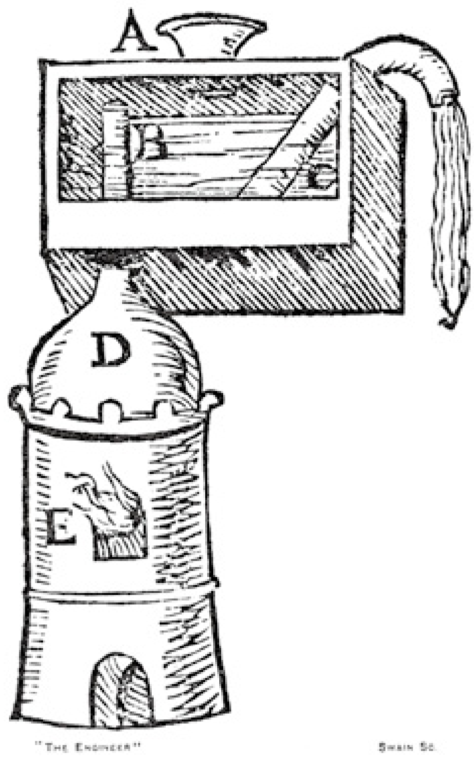
1712[illegible]1836[illegible]

[illegible]

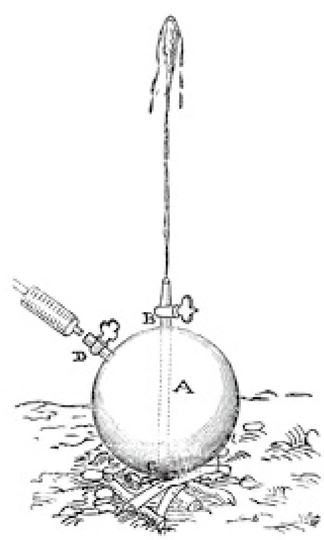
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[illegible]·[illegible]·[illegible]1680[illegible]

[illegible]·[illegible]*A Continuation of New Experiments*[illegible]1680[illegible]1682[illegible]1680[illegible]1681—1684[illegible]1687[illegible]1695[illegible]



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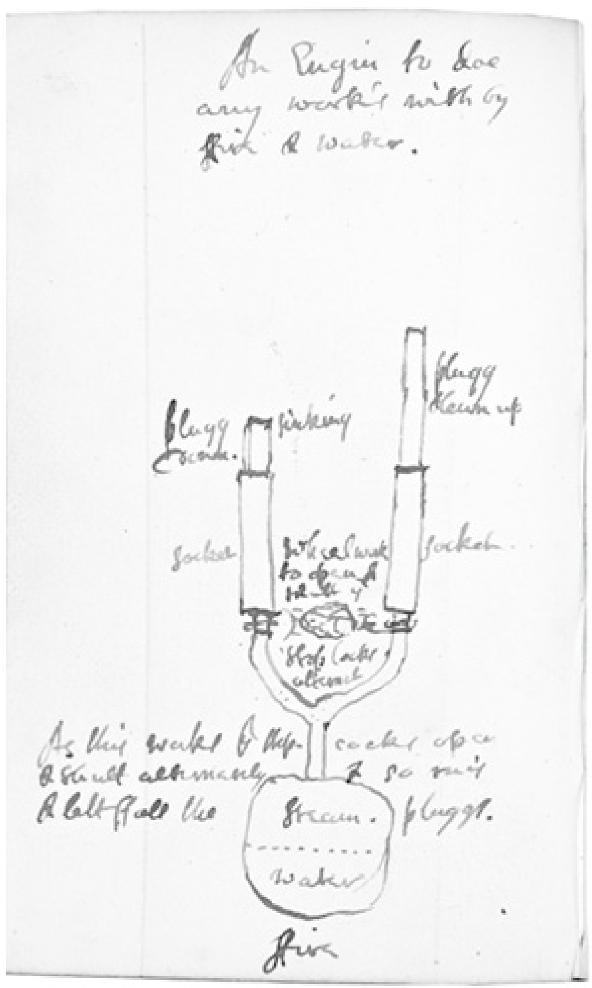


[illegible]·[illegible]*La Raison des forces mouvantes*[illegible]1615[illegible]

[illegible]

[illegible]

[illegible]Louis XIV[illegible]200[illegible]500[illegible]90[illegible]8229.6[illegible]





The rising of ye plugg's, are ordered to turne a wheel by a toothed beam; wch when at the top, is struck back by a catch, or snack. and then ye beam falls downe, & with its weight turnes ye wheelwork, wch shutts in ye steam from that pipe or socket, by a stop cock, & [illegible] opens the other & then that rises in like manner, & so they play alternately without help.

The uses are derived from the wheel, wch these rising beams work upon, that alternately [illegible] of ye occasion is. for [illegible] a Motion can be given either to & fro or continuall, it may be applyed by wheel work to almost all occasions;

But this I saw only in model.

□□·□□Add. MS 32504□□

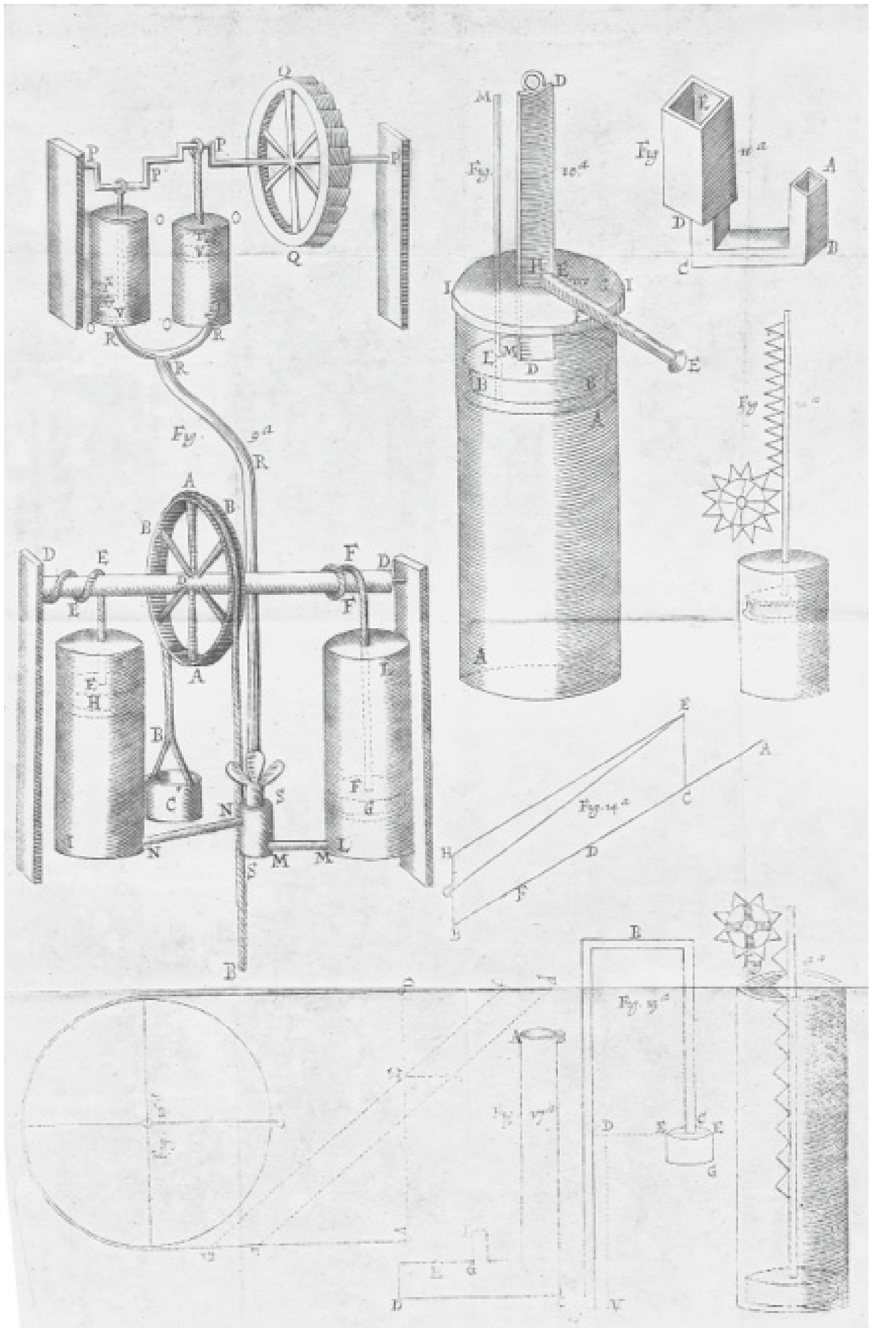
1704□3□□□·□□□Roger North□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□“□□□□□”□□□□□□□□□□“□□”□□“□□□□”□□□□□□□□□□□□□□□1651□□□□□□□□□□□□□□□□□“□□□□”□□“□□□□”□□1701□□□

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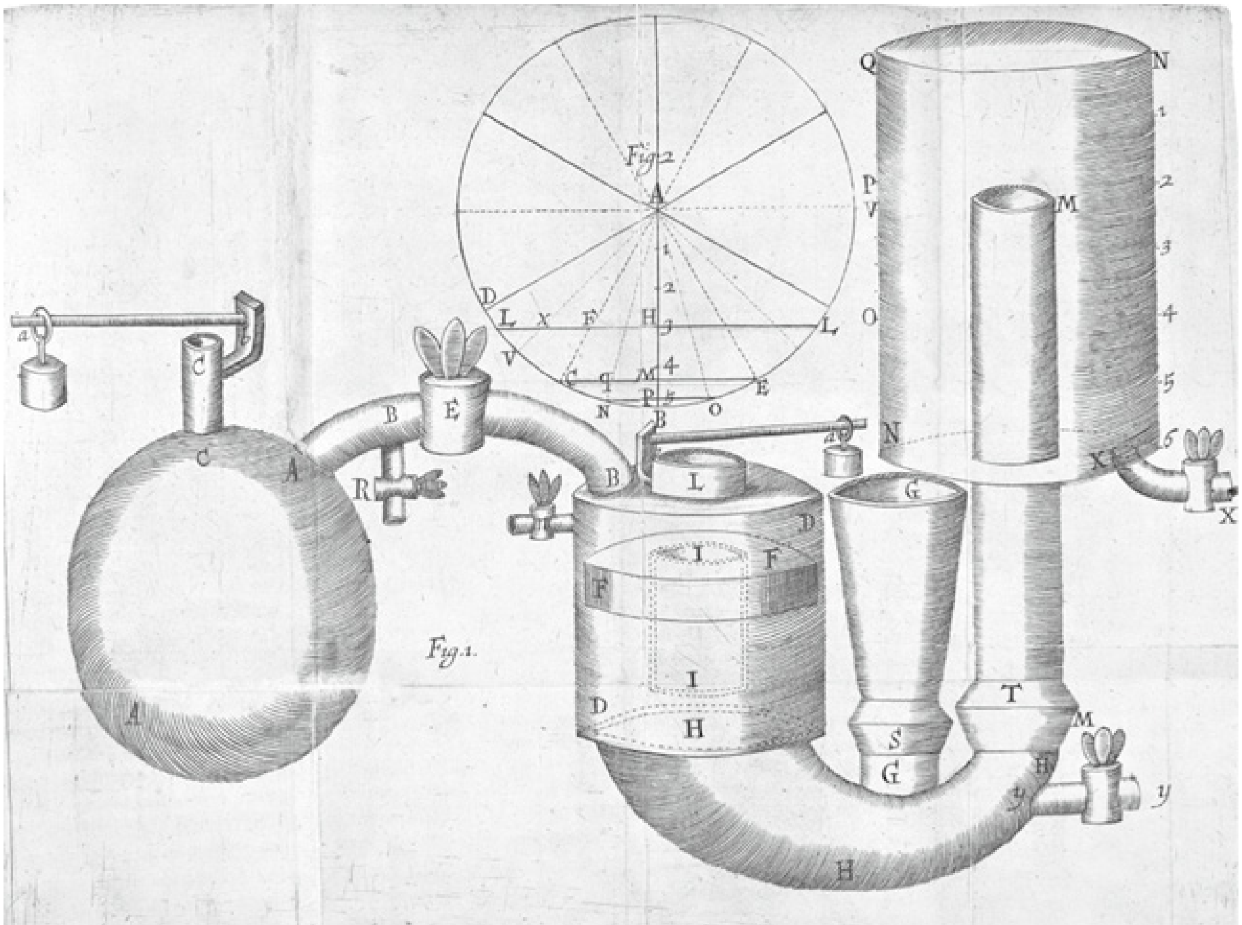
[illegible]1695[illegible]1704[illegible]1695—1704[illegible]

3

1698[illegible]·[illegible]Thomas Savery[illegible]·[illegible]Edward Somerset[illegible]1667[illegible]30[illegible]9.1[illegible]



[illegible]1695[illegible]B[illegible]



[illegible]*Nouvelle manière pour élever l’eau par la force du feu*[illegible]1707[illegible]G[illegible]2[illegible]

[illegible]

[illegible]15[illegible]24.1[illegible]

[illegible]1707[illegible]1880[illegible]

[illegible]1707[illegible]/[illegible]

[illegible]80[illegible]100[illegible]“[illegible]400[illegible]”[illegible]400[illegible]5[illegible]72.5[illegible]4[illegible]40[illegible][5]

[illegible]19[illegible][6][illegible]

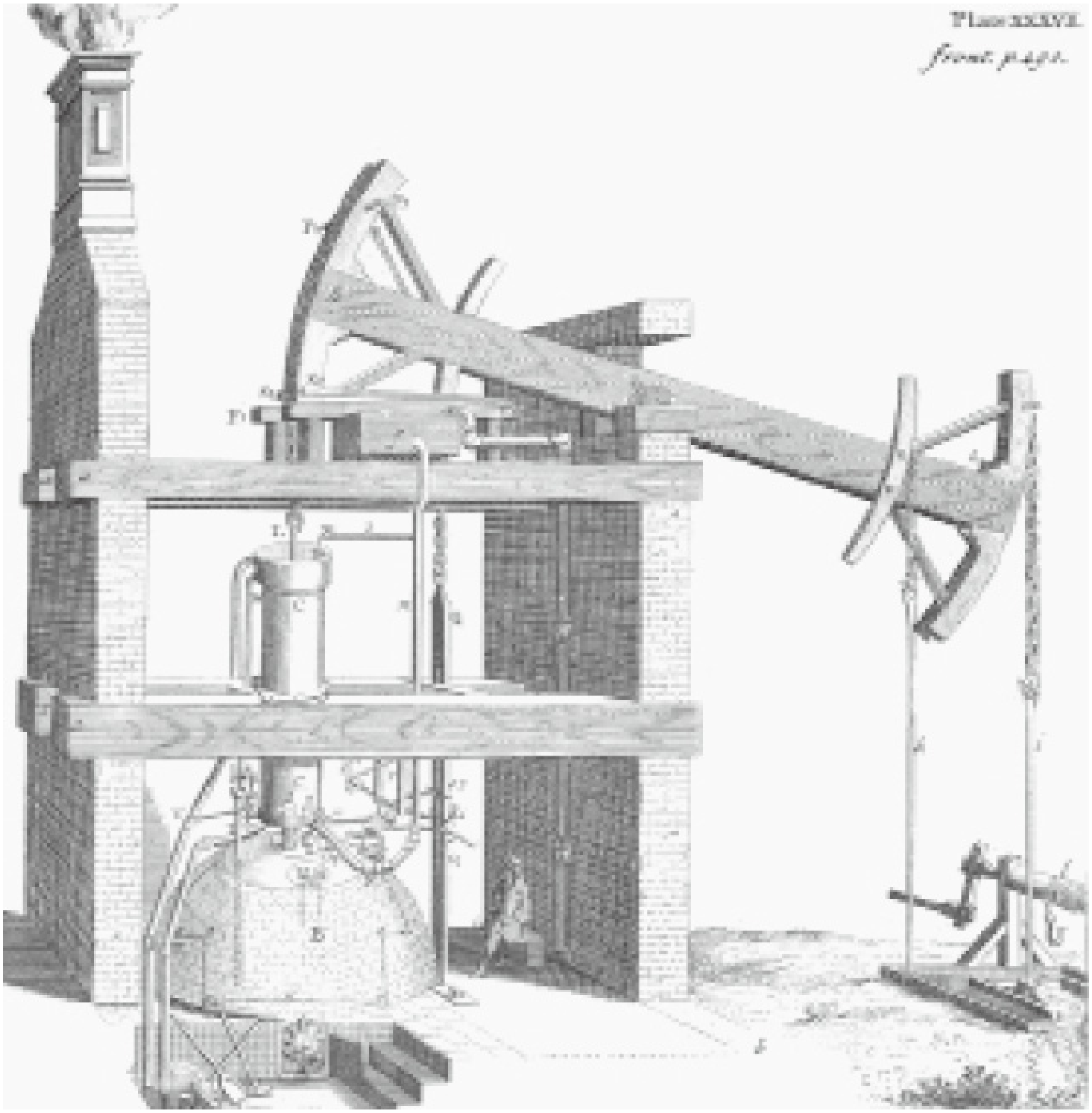
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[illegible]5[illegible]15[illegible]1690[illegible]

[illegible]1664[illegible]Cawley[illegible]1712[illegible]

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[illegible]

[illegible]

[illegible]·[illegible]John Morland[illegible]17[illegible]80[illegible]1682[illegible]1707[illegible]

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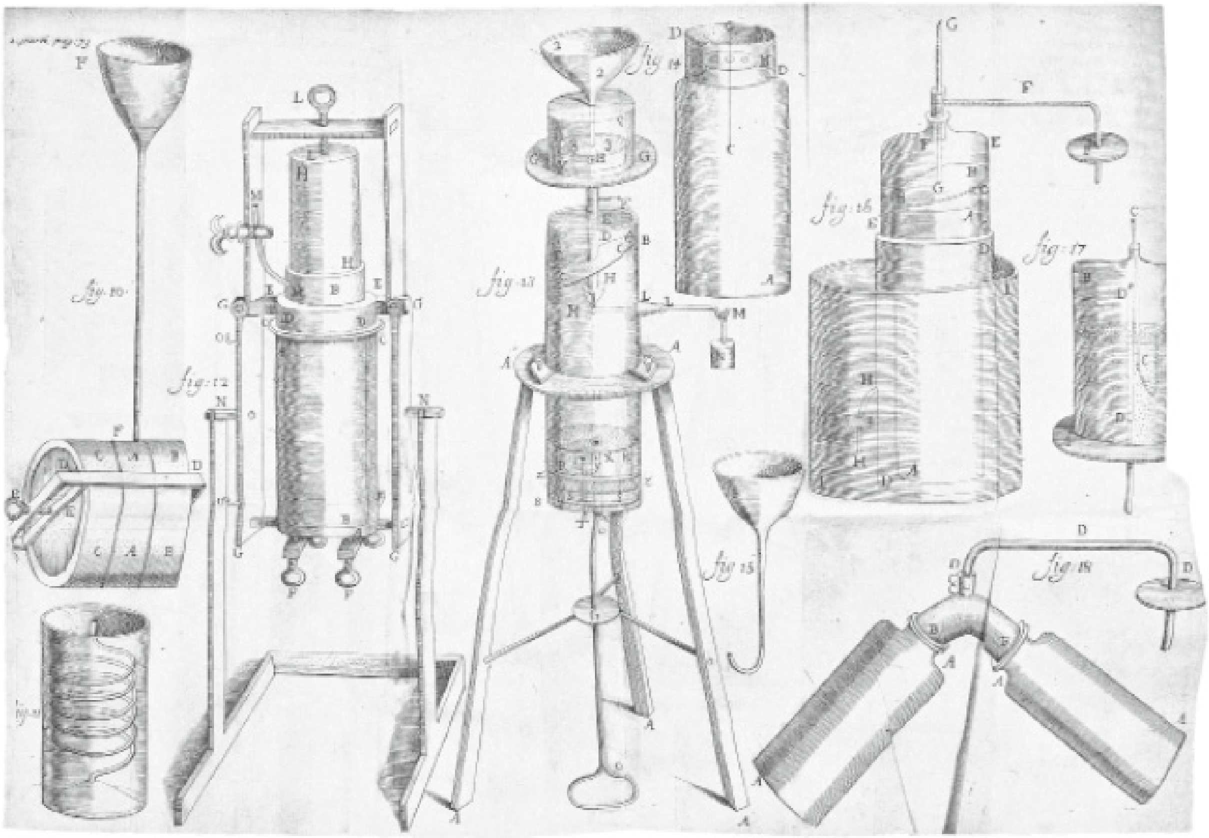
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5

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[illegible]1687[illegible]

[illegible]“[illegible]”[illegible][7]

[illegible]

1 0.3 1800 816.5

1686 1

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17 450 204.1 4

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[illegible]……

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[illegible]“[illegible]”[illegible]

[illegible]1687—1707[illegible]20[illegible]17[illegible][8]

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[1][illegible]·[illegible]·[illegible]Giovanni Ambrosio Sarotti [illegible]Sarrotti[illegible]1679[illegible]12[illegible]1[illegible]Hunter[illegible]The Royal Society and Its Fellows[illegible]1982[illegible]no. 356[illegible]

[2][illegible]

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[6][illegible]

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——[illegible]

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1000

Demosthenes 1000

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1613

1605

John Stuart Mill “

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[illegible]*Isis*[illegible]·[illegible]George Sarton[illegible]1936[illegible]“[illegible]”[illegible]·[illegible]“[illegible]”[illegible]

[illegible]“[illegible]”[illegible][2][illegible]“[illegible]”[illegible]“[illegible]”[illegible]·[illegible]“[illegible]”[illegible]

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19[illegible]

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[illegible]·[illegible]·[illegible]·[illegible]·[illegible]·[illegible]1632[illegible]1635[illegible]1660[illegible]—[illegible] *New Experiments Physico-Mechanical Touching the Spring of the Air*[illegible]1661[illegible]1704[illegible]1706[illegible]1660—1700[illegible]550[illegible]72[illegible]18[illegible]1/3[illegible]

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[illegible]

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[illegible]·[illegible]“[illegible]”[illegible]“[illegible]”[illegible]

[illegible]·[illegible]Ole Rømer[illegible]1644—1710[illegible]22[illegible]22[illegible]11[illegible][9][illegible]19[illegible]

[illegible]

日期	测量者	方法	时间
1676 年	罗默	木星的卫星	11 分
1687 年	牛顿 [1]	木星的卫星	10 分
1693 年	卡西尼（Cassini）[2]	木星的卫星	7 分 5 秒
1704 年	牛顿	木星的卫星	7 分或 8 分
1726 年	布拉德利	恒星光行差	8 分 12.5 秒
1809 年	德朗布尔（Delambre）	木星的卫星	8 分 13.2 秒
现代数值			8 分 19 秒 3

1.[illegible]

2. [illegible]

3. [illegible]

[illegible]

日期	测量者	方法	时间（千米/秒）
1849年	菲佐（Fizeau）	转动齿轮	313000
1850年	傅科（Foucault）	旋转镜子	298000
1875年	克努（Cornu）	旋转镜子	299990
1880年	迈克耳孙（Michelson）	旋转镜子	299910
1883年	纽科姆（Newcomb）	旋转镜子	299860
1907年	罗萨（Rosa）和多洛西（Doresey）	电磁常数	299790
1926年	迈克耳孙	旋转镜子	299796
1928年	米特尔斯腾德（Mittelstaedt）	克尔盒快门	299778
1932年	皮兹（Pease）和皮尔森（Pearson）	旋转镜子	299774
1940年	胡特尔（Huttel）	克尔盒快门	299768
1941年	安德森（Anderson）	克尔盒快门	299776

续表

日期	测量者	方法	时间（千米/秒）
1950年	埃森（Essen）和戈登史密斯（GordonSmith）	谐振腔	299792
1951年	伯格斯特兰（Bergstrand）	克尔盒快门	299793
1958年	弗鲁姆（Froome）	射电干涉测量	299792
现代数值			2997921

1. [illegible] **1983** [illegible]

[illegible]11[illegible]17[illegible]1928[illegible]20[illegible]1950[illegible][10]

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[illegible] 20 [illegible] “[illegible]” [illegible] 1996 [illegible]·[illegible] Alan Shapiro [illegible] 2000 [illegible]

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DNA DNA DNA

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1695

Escoffier

1892

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“investigate”

“clue”

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Ariadne

Theseus

Minotaur

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Seneca

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Solinus ”

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· Susan Haack “

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[illegible]“[illegible]”[illegible]

[illegible]16[illegible]·[illegible]“[illegible]”（*Method for the Easy Comprehension of History*（1566[illegible]“[illegible]”（*On the Demon-mania of Witches*（1580[illegible]·[illegible]Lot[illegible]“[illegible]”[illegible]

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2000[illegible]

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16 [18]

12 1544

[19] “ ” *Discourse on Floating Bodies* 1612

[20] · “ ” “ ” “ ”

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8

[illegible]21[illegible]18[illegible]

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[5][illegible]“[illegible]”[illegible]Geertz[illegible]Local Knowledge [illegible] 1983 [illegible] Jacob [illegible] “Science Studies After Social Construction”[illegible]1999[illegible]

[6][illegible]1970[illegible]69[illegible]Rosen[illegible]“Was Copernicus a Neoplatonist?”[illegible]1983[illegible]

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[17][illegible]“[illegible]”[illegible]

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[20][illegible]1638[illegible]

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[25][illegible]“[illegible]”[illegible]8[illegible]587—588[illegible]

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[illegible]“[illegible]”[illegible]·[illegible]1694[illegible]1748[illegible]1948[illegible]·B.[illegible]James B.Conant[illegible]“[illegible]”[illegible]·[illegible]“[illegible]”[illegible]

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[illegible]1809—1810[illegible]·[illegible]（George Cayley）[illegible]（*On Aerial Navigation*）[illegible]

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——[illegible]·[illegible]1972[illegible]

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1571[illegible]37[illegible]16[illegible]1563[illegible]1000[illegible]60[illegible]“*Que sçay-je*?”[illegible]“[illegible]”[illegible]

[illegible]*Essays*[illegible]1580[illegible]1588[illegible]1592[illegible]“[illegible]”[illegible]

[illegible]·[illegible]*The Discourse of Voluntary Servitude*[illegible]

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[illegible] 10、28、54 [illegible] x、xxviii、liv [illegible] 0 [illegible] 0 [illegible]·[illegible] 1593 [illegible]

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[illegible]17[illegible]5[illegible]

[illegible]

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[illegible]DNA[illegible]

1975[illegible]·[illegible]Hilary Putnam[illegible]“[illegible]”[illegible]·[illegible]Larry Laudan[illegible]1667[illegible]18[illegible]19[illegible]19[illegible]

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[illegible][1][illegible][2][illegible]17[illegible][3][illegible]1648[illegible]Elizabeth of Bohemia[illegible]“*Me tenant comme je suis,un pied dans un pays et l’autre en un autre,je trouve ma condition très heureuse,en ce qu’elle est libre*”[illegible]“[illegible]”[illegible]

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132.[illegible]……

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[illegible]

170.[illegible]

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587[illegible]

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